

GENERAL NOTES (APPLICABLE TO ALL WORK AND DOCUMENTS) :

1. EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO INSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
2. ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSERS DISCRETION.
3. INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEERS.
4. ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
5. DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE. (SEE ALSO NOTE 21).
6. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.)
7. INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURERS' RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
8. DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING, AS REQUIRED BY CODES. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
9. THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
10. ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
11. ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEERS, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.
12. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED.
13. WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER.
14. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, CASH CONTRIBUTIONS OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, ETC.)
15. REFER TO ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
16. UNLESS OTHERWISE SPECIFIED OR INDICATED, INSTALL LIGHT FIXTURES, DIFFUSERS, GRILLES, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER CEILING MOUNTED APPURTENANCES IN THE CEILING IN A SYMMETRICAL PATTERN, UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE ARCHITECTUAL REFLECTED CEILING PLANS.
17. CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'X2' CEILING TILE AND INSTALLED CENTERED ON 2" DIMENSION OF 2'X4" TILE AND ON CENTERLINE OR A QUARTER POINT ON 4" DIMENSION, AS INDICATED.
18. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISE OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTORS' EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
19. CHECK ALL THREE PHASE MOTORS WITH ¼ ROTATION METER , PRIOR TO PLACING IN SERVICE.
20. PROVIDE DETAILED SHOP DRAWINGS TO ENGINEERS PRIOR TO PURCHASING AND INSTALLING ANY EQUIPMENT.
21. DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
22. ALL THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
23. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
24. WHERE FIRE RATED CEILING ASSEMBLIES ARE NOTED , PROVIDE RATED , APPROVED GYPSUM BOARD ENCLOSURES ABOVE LIGHT FIXTURES , CEILING DEVICES , ETC. IN OR ON CEILING , TO MAINTAIN CEILING RATINGS.
25. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
26. ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVED AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.
27. ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR SHALL BE INSTALLED CONTINUOUS UNLESS AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.
28. ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
29. ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.
30. WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
31. REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT THE ENGINEER FOR DIRECTION PRIOR TO INSTALLING WORK.
32. FLUSH OR PEDESTAL - TYPE FLOOR OUTLETS, AS INDICATED ON PLAN SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.
33. AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK, FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
34. WHERE EXIT LIGHTS ARE CONNECTED TO EMERGENCY CIRCUITS WITH KEYSWITCH OR CONTACTOR CONTROL, AN UNSWITCHED LINE SHALL BE PULLED IN TO MAINTAIN THEIR OPERATION REGARDLESS OF SWITCH POSITION.
35. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORD WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEERS FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.
36. INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT, AT LEAST ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED, TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.
37. LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
38. WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
39. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
40. REFER TO ARCHITECTURAL DETAILS AS APPLICABLE FOR RECESSED SOFFIT FLUORESCENT FIXTURES. ADJUST FIXTURE LENGTHS BY FIELD MEASUREMENT OF SOFFIT, AS NECESSARY.
41. WHERE OUTLETS ARE LOCATED APPROXIMATELY BACK-TO-BACK ON OPPOSITE SIDES OF A PARTY WALL, THE OUTLETS SHALL NOT BE INSTALLED IN THE SAME STUD SPACE, BUT SHALL BE SEPARATED BY A MINIMUM OF ONE STUD, UNLESS OTHERWISE APPROVED BY THE ARCHITECT.
42. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.
43. NOT USED.
44. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED, IF IN DOUBT, CONTACT THE ENGINEERS FOR CLARIFICATION PRIOR TO INSTALLING ANY SUCH WORK.
45. NOT USED.
46. DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPECS. IF NONE LISTED	BACKBOX, COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL
SWITCHES	LIGHT SWITCH: GENERAL PURPOSE			4'-0"	
	DIMMER SWITCH			4'-0"	
	THREE-WAY SWITCH			4'-0"	
	FOUR-WAY SWITCH			4'-0"	
	KEYED SWITCH			4'-0"	
	DUAL TECHNOLOGY, ULTRASONIC WALL MOUNTED TYPE OCCUPANCY SENSOR			4'-0"	
	DUAL TECHNOLOGY OCCUPANCY SENSOR WITH PIR AND ULTRASONIC SENSING, WITH ISOLATED RELAY OUTPUTS 360° COVERAGE	CONNECT INTO ROOM LIGHTING CIRCUIT PER MFR. INSTRUCTIONS		CEIL.	
	PHOTO-CELL AS NOTED		AS NOTED		
	MOTOR RATED SNAP SWITCH			4'-0"	
	WALL SWITCH: MOMENTARY CONTACT			4'-0"	
LIGHTING	WALL SWITCH: TIMER			4'-0"	
	PILOT LIGHT SWITCH (ILLUMINATED WHEN LOAD IS ON)			4'-0"	
	ILLUMINATED HANDLE LIGHT SWITCH (ILLUMINATED WHEN LOAD IS OFF)			4'-0"	
	PARKING GARAGE LUMINAIRE			DECK	
	OUTDOOR AREA LUMINAIRE			XX' POLE	
	EXTERIOR WALL PACK			AS SCHED.	
	4' STRIP LUMINAIRE			CEIL.	
	EXIT LIGHT (CEILING, END MOUNT)			AT LEAST 7'-6" AFT. ABOVE DOOR	
	EXIT LIGHT (WALL MOUNT SINGLE FACE)				
POWER OUTLETS	SIMPLEX			1'-6"	
	DUPLEX			1'-6"	
	DUPLEX (ABOVE COUNTERTOP)			8" ACT.	
	DUPLEX WITH INTEGRAL GROUND FAULT PROTECTION			1'-6"	
	WEATHER RESISTANT DUPLEX - WITH WEATHER-PROOF "WHILE IN USE" TYPE DIE-CAST METAL COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET.			1'-6"	
	DUPLEX - SAFETY SHUTTER TYPE			1'-6"	
	DUPLEX - SURGE SUPPRESSION TYPE			1'-6"	
	QUADRUPLEX RECEPTACLE			1'-6"	
	JUNCTION BOX AND CONDUIT				
	EQUIPMENT HARDWARE CONNECTION (SEE DETAIL)				
MISC.	3P/4W STRAIGHT BLADE RECEPTACLE			AS NOTED	
	3P/4W TWIST LOCK RECEPTACLE			AS NOTED	
	CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE (ARROWS INDICATE(S) HOW RUN & # OF CIRCUITS; HASH-MARKS INDICATE # OF CONDUCTORS)				
	DISCONNECT SWITCH			5'-0"	
	MAGNETIC STARTER			5'-0"	
	MAGNETIC COMBINATION STARTER			5'-0"	
	ENCLOSED FLUSH MTD. CIRCUIT BREAKER			5'-0"	
	WEATHERPROOF				
	WIREWAY WITH REMOVABLE COVER (SIZE AS NOTED)			AS SHOWN	
	TRENCH DUCT (SIZE AS NOTED)			AS SHOWN	
PUSHBUTTON STATION	PUSHBUTTON STATION			4'-0"	
	FLEXIBLE CONDUIT				
	EMERGENCY PANELBOARD, SURFACE OR FLUSH MOUNTED			6'-6" TO TOP	
	NORMAL PANELBOARD, SURFACE OR FLUSH MOUNTED			6'-6" TO TOP	
	TRANSFORMER			AS NOTED	
	MOTOR RATED SNAP SWITCH			AS NOTED	
	EMERGENCY POWER CIRCUIT				
	M.E.S. (MAJOR EQUIPMENT SCHEDULE) # INDICATOR				
	TAGGED NOTE				
	REVISION NOTE				
JUNCTION BOX	MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)				
	CABLE TRAY AS NOTED				
	J-HOOK CABLE PATH				
	EQUIPMENT HARDWARE CONNECTION (SEE DETAIL)				
	EQUIPMENT OUTLET COUPLING CONNECTION (SEE DETAIL)				
	SURFACE VERTICAL RACEWAY RISER UP WALL (OR DOWN IF INDICATED) TO ACCESSIBLE CEILING/ATTIC SPACE (UP TO HORIZONTAL WIREWAY WHERE INDICATED). WHERE SHOWN WITH OUTLET, PROVIDE WITH OUTLET BOX AT BASE OF VERTICAL RISER.				

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPECS. IF NONE LISTED	BACKBOX, COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL
ACCESS CONTROL	ACCESS CONTROL PANEL				
	CARD READER			54"	
	ELECTRONIC DOOR RELEASE (ELECTRONIC STRIKE)		AS REQ'D	DOOR FRAME	
	ACCESS CONTROL DOOR POWER CONNECTION		N/A	ABOVE DOOR	
	ELECTRONIC DOOR RELEASE (MAGNETIC LOCK)		AS REQ'D	DOOR FRAME	
	VEHICLE GATE			RE-ARCH PLANS	
	AUTOMATIC VEHICLE IDENTIFICATION READER			CEIL.	
	INTRUSION DETECTION PANEL				
	DOOR CONTACT		N/A	DOOR FRAME	
	MOTION DETECTOR			CEIL.	
INTRUSION DETECTION	CCTV HEAD END PANEL				
	CCTV DOME CAMERA				
	CCTV FIXED CAMERA				
	CCTV PTZ CAMERA				
	INTERCOM REMOTE STATION			ON POST	
	INTERCOM MASTER STATION				
	EMERGENCY PHONE				
CCTV	DATA DROP: NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA DROPS TO BE PROVIDED AND INSTALLED. IF NO NUMBER IS INDICATED, PROVIDE (1) DROP		1G	1'-6"	
	WIRELESS ACCESS POINT			CEIL.	
	VOICE OUTLET : NUMBER BESIDE OUTLET INDICATES NUMBER OF VOICE JACKS TO BE PROVIDED AND INSTALLED. IF NO NUMBER IS INDICATED, THERE SHALL BE ONLY ONE VOICE JACK.		1G	1'-6"	
	COMBINATION OUTLET : NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA/VOICE JACKS TO BE PROVIDED AND INSTALLED. IF NO NUMBER IS INDICATED, THERE SHALL BE ONLY ONE DATA AND ONE VOICE JACK.		1G	1'-6"	
	COMMUNICATION ROUGH IN ONLY PROVIDE BLANK COVER PLATE				
	OUTLET : ABOVE COUNTERTOP			ABV. CNTR.	
	OUTLET : WALL MOUNTED			4'-0"	
	MAIN DISTRIBUTION FRAME RACK - REFERENCE DATA SYSTEM SHCEMATICS AND DETAILS. FOR ADDITIONAL INFORMATION / REQUIREMENTS				
	INTERMEDIATE DISTRIBUTION FRAME RACK - REFERENCE DATA SYSTEM SHCEMATICS AND DETAILS. FOR ADDITIONAL INFORMATION / REQUIREMENTS				
INTERCOM	UNLESS OTHERWISE NOTED				
	OWNER FURNISHED CONTRACTOR INSTALLED				
	OWNER FURNISHED OWNER INSTALLED				
	CONTRACTOR FURNISHED CONTRACTOR INSTALLED				
	CONTRACTOR FURNISHED OWNER INSTALLED				
	INDICATES EMERGENCY POWER				
	GROUNDING ROD PER UL 96, NFPA 780				
	AIR TERMINAL				
	CONNECTION TERMINAL				
	CLASS 1 OR CLASS 2 WIRING				
DATA / VOICE / VIDEO					
ABBREVIATIONS	UNLESS OTHERWISE NOTED				
	OWNER FURNISHED CONTRACTOR INSTALLED				
	OWNER FURNISHED OWNER INSTALLED				
	CONTRACTOR FURNISHED CONTRACTOR INSTALLED				
	CONTRACTOR FURNISHED OWNER INSTALLED				
	INDICATES EMERGENCY POWER				
	GROUNDING ROD PER UL 96, NFPA 780				
	AIR TERMINAL				
	CONNECTION TERMINAL				
	CLASS 1 OR CLASS 2 WIRING				
LIGHTNING PROTECTION					

SYSTEMS EQUIPMENT TERMINAL POINT NOTE :

- AT ALL SYSTEMS EQUIPMENT CABINET/TERMINAL BOARD LOCATIONS () AS INDICATED ON ELECTRICAL DRAWINGS, CONTRACTOR SHALL PROVIDE SIZE AND NUMBER OF CONDUIT STUB-OUTS TO CABLE PATHS AS REQUIRED BY SYSTEM VENDORS. TERMINATE CONDUITS AT CABINETS/ON BACKBOARDS AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH APPROPRIATE VENDORS PRIOR TO CONSTRUCTION.

SYSTEM	ITEM	ITEM USED ON PROJECT	DEVICES - O-E-O	DEVICES - O-E-C	DEVICES - O-F-C	BACKBOX - C-F-C	CONDUIT - O-F-C	CABLE IN CONDUITS - O-E-O	CABLE IN CONDUITS - O-E-C	CABLE IN CONDUITS - O-F-C
SYSTEM INSTALLATION MATRIX	ACC									
	CR									
	DS									
	DP									
	ML									
	VS									
	VI									
	SEC									
	DC									
	MD									
SYSTEM ITEM	DATA/VOICE									
	INTRUSION DETECTION									
	CCTV									
	ACCESS CONTROLS (VEHICLE)									
	ACCESS CONTROLS (PEDESTRIAN)									
	FIRE ALARM									

100% CONSTRUCTION DOCUMENTS									
Drawing Title ELECTRICAL LEGEND		Project Title BUILD PARKING GARAGE A		CMTA Project Number VHG14 Building Number 132		OFFICE OF FACILITIES MANAGEMENT		VA Project Number 580-321	
Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER		Location Michael E. DeBaKey VAMC, Houston, TX		Drawing Number EE001		VA Project Number 580-321		VA Project Number 580-321	
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Michael E. DeBaKey VAMC
2002 Holcombe BLVD, Houston TX 77030

CMTA F-8627
10/16/15

ARCHITECT/ENGINEERS:

PROJECT LEAD
Architect, Structural Engineer
GUIDON DESIGN

1151 Kildare Farm Road,
Suite 120
Cary, NC 27511
T: 919.858.7420

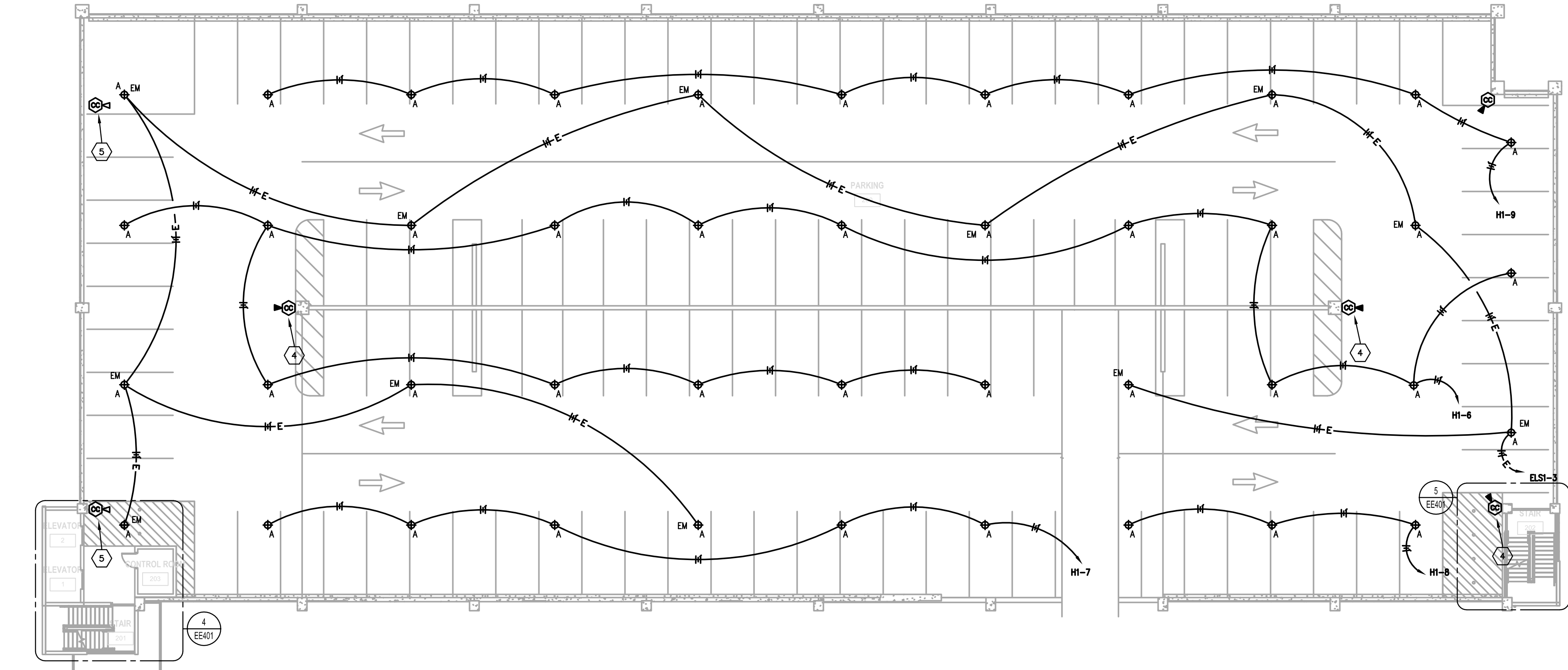
Mech & Plumb Engineer
APOGEE CONSULTING GROUP, PA
1610 Woodstead Court,
Suite 105
Woodlands, TX 77380
T: 2

GENERAL NEW WORK NOTES (LIGHTING, POWER, AND SYSTEMS):

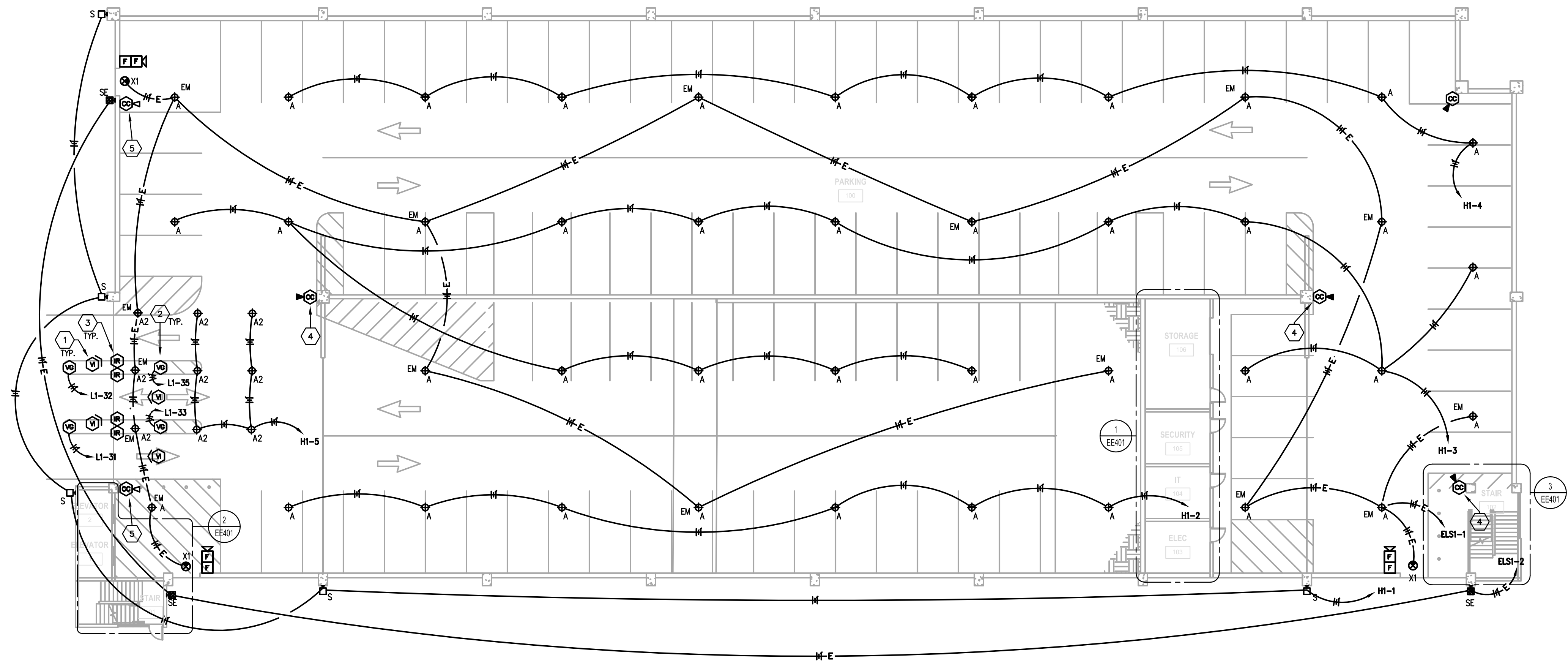
- THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN (U.O.N.) AND THICK SOLID LINES INDICATE NEW WORK.
- REFER TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF DEVICES, ETC.
- ALL NEW WIRING SHALL BE #12 WITH A #2 INSULATED GROUND WIRE (U.O.N.). CONDUIT SHALL BE 3/4" MINIMUM.
- THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
- REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS ON EACH SYSTEM.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR EACH RECEPTACLE, SWITCH, ETC. IN AREA OF CONSTRUCTION. ENGRAVE THE OUTSIDE OF THE DEVICE COVERPLATES FOR IDENTIFICATION. PROVIDE STAINLESS STEEL FACEPLATES PER SPECIFICATIONS.

TAGGED NOTES:

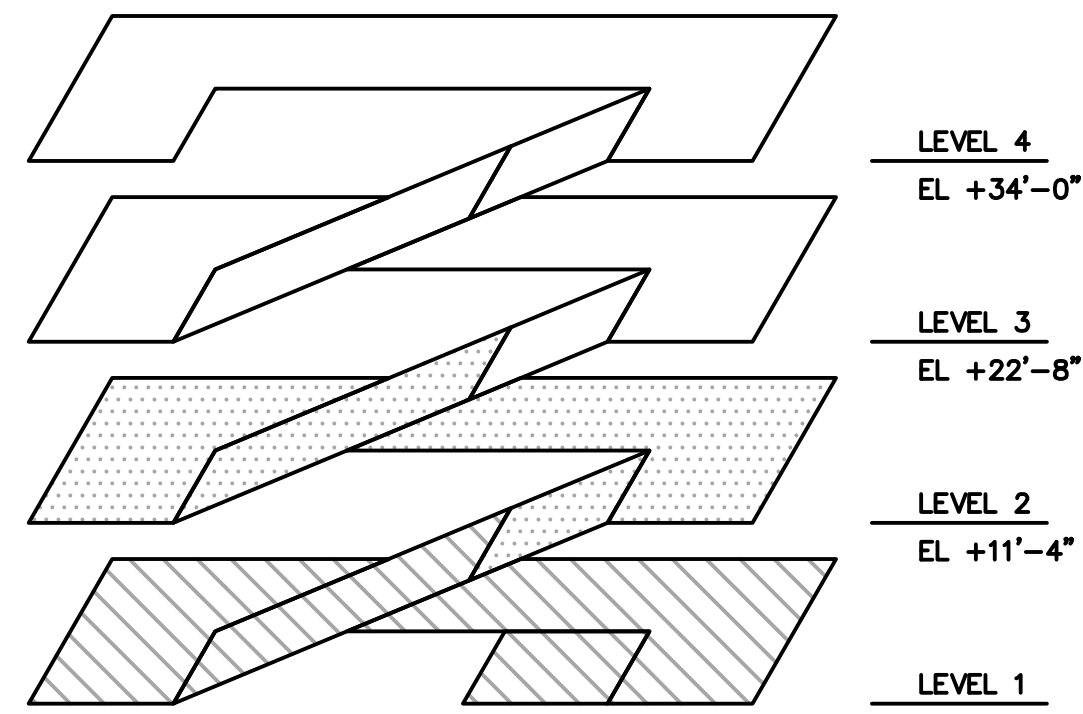
- AUTOMATIC VEHICLE IDENTIFIER: PROVIDE ROUGH-IN FOR AUTOMATIC VEHICLE IDENTIFIER AT LOCATION SHOWN PER MANUFACTURER REQUIREMENTS. PROVIDE POWER AND DATA CONNECTIONS IN CONDUIT TO SECURITY ROOM.
- VEHICLE ACCESS CONTROL GATE: PROVIDE ROUGH-IN FOR ELECTRIC VEHICLE GATE AT LOCATION SHOWN PER MANUFACTURER REQUIREMENTS. PROVIDE ELECTRICAL POWER IN CONDUIT. PROVIDE (1) 1" CONDUIT FROM EACH GATE TO SECURITY ROOM FOR CONTROL CABLING. COORDINATE STUB-UP REQUIREMENTS WITH ARCHITECT AND GATE MANUFACTURER.
- INTERCOM STATION: PROVIDE INTERCOM STATIONS MOUNTED ON POSTS (BY OTHERS) AT LOCATIONS INDICATED. PROVIDE (1) 3/4" CONDUIT TO POST. COORDINATE STUB-UP REQUIREMENTS WITH ARCHITECT AND INTERCOM MANUFACTURER.
- SECURITY CAMERA (PTZ): PROVIDE PTZ SECURITY CAMERA (SPECTRA HD W/ CLEAR BUBBLE, PELCO#D5118 PTZ TO MATCH EXISTING) AT LOCATION INDICATED. PROVIDE CONDUIT FOR POWER AND DATA ROUTED TO SECURITY ROOM ON GROUND FLOOR.
- SECURITY CAMERA (FIXED): PROVIDE FIXED SECURITY CAMERA (SARIX VANDAL MINIDOME W/ CLEAR BUBBLE TO MATCH EXISTING) AT LOCATION INDICATED. PROVIDE CONDUIT FOR POWER AND DATA ROUTED TO SECURITY ROOM ON GROUND FLOOR.
- LONG RANGE OCCUPANCY SENSOR FOR DECK LIGHTS. SET OCCUPANCY SENSOR TO 30 MINUTE TIME OUT.
- REFER TO DRAWING NUMBER SF502 FOR MORE INFORMATION ON MOUNTING DETAILS.



LEVEL 2 ELECTRICAL PLAN



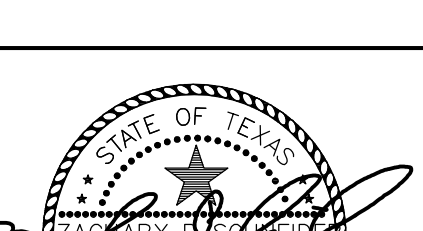


LEVEL 1 ELECTRICAL PLAN



KEY PLAN

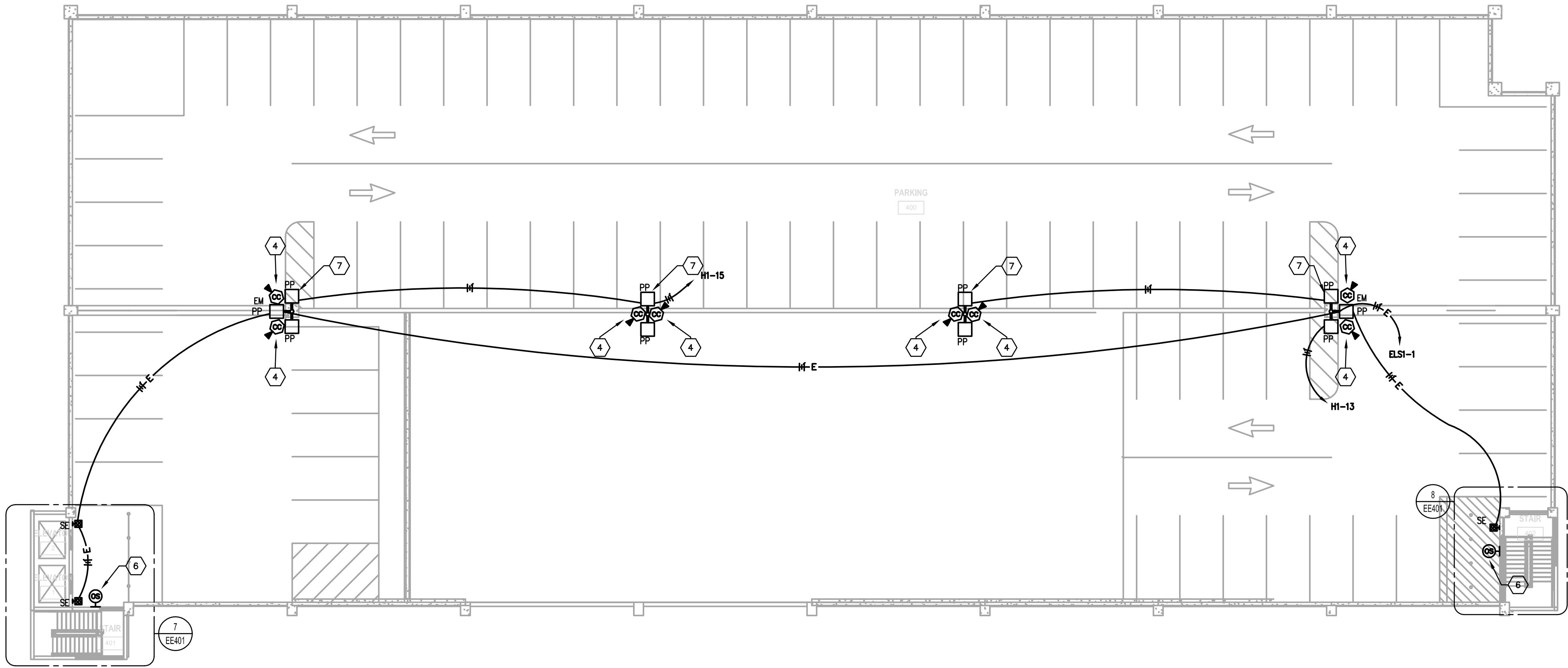
100% CONSTRUCTION DOCUMENTS									
Drawing Title LEVEL 1 & 2 ELECTRICAL PLAN		Project Title BUILD PARKING GARAGE A		CMTA Project Number VHG14		OFFICE OF FACILITIES MANAGEMENT			
				Building Number 132					
Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER		Location Michael E. DeBakey VAMC, Houston, TX		Drawing Number EE101		VA Project Number 580-321			
Date 2015/10/16		Checked By: ZPS		Drawn By: IRS		U.S. Department of Veterans Affairs			

 U.S. Department of Veterans Affairs			 CMTA F-8627 10/16/15	ARCHITECT/ENGINEERS:				
Michael E. DeBakey VAMC 2002 Holcombe BLVD, Houston TX 77030				PROJECT LEAD Architect, Structural Engineer GUIDON DESIGN 1151 Kildare Farm Road, Suite 120, Cary, NC 27511 T: 919.858.7420				
				Mech & Plumb Engineer APOGEE CONSULTING GROUP, PA 1610 Woodstead Court, Suite 105 Woodlands, TX 77380 T: 281.419.9899				
				Elec Engineer CMTA CONSULTING ENGINEERS 1225 North Loop West Suite 900 Houston, TX 77008 T: 713.864.2900				
				Civil Engineer H2B Inc. 2801 Network Blvd., Suite 101 Frisco, TX 75034 T: 469.777.5143				
				Functional Design CARL WALKER INC.				

Revisions:		Date	

GENERAL NEW WORK NOTES (LIGHTING, POWER, AND SYSTEMS):

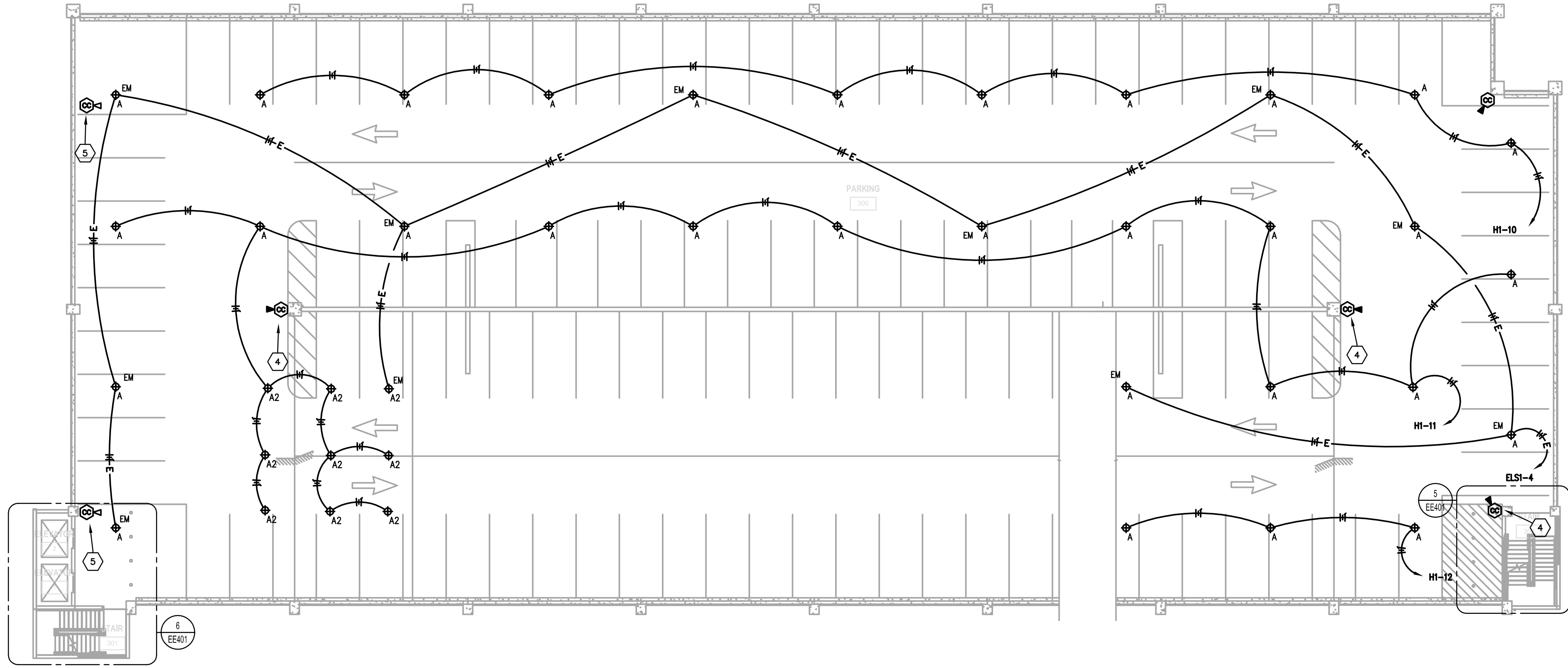
- THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN (U.O.N.) AND THICK SOLID LINES INDICATE NEW WORK.
- REFER TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF DEVICES, ETC.
- ALL NEW WIRING SHALL BE #12 WITH A #12 INSULATED GROUND WIRE (U.O.N.). CONDUIT SHALL BE 3/4" MINIMUM.
- THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPED DIRECTORIES FOR ALL PANELS AFFECTED.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(D)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
- REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS ON EACH SYSTEM.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR EACH RECEPTACLE, SWITCH, ETC. IN AREA OF CONSTRUCTION. ENGRAVE THE OUTSIDE OF THE DEVICE COVERPLATES FOR IDENTIFICATION. PROVIDE STAINLESS STEEL FACEPLATES PER SPECIFICATIONS.



LEVEL 4 ELECTRICAL PLAN
EE102 1/16\"/>

TAGGED NOTES:

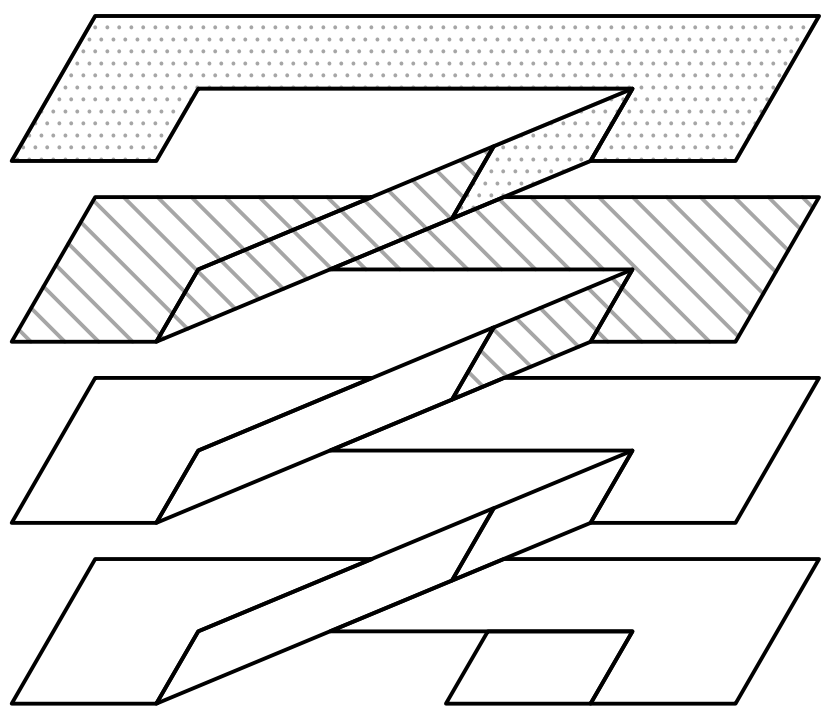
- AUTOMATIC VEHICLE IDENTIFIER: PROVIDE ROUGH-IN FOR AUTOMATIC VEHICLE IDENTIFIER AT LOCATION SHOWN PER MANUFACTURER REQUIREMENTS. PROVIDE POWER AND DATA CONNECTIONS IN CONDUIT TO SECURITY ROOM.
- VEHICLE ACCESS CONTROL GATE: PROVIDE ROUGH-IN FOR ELECTRIC VEHICLE GATE AT LOCATION SHOWN PER MANUFACTURER REQUIREMENTS. PROVIDE ELECTRICAL POWER IN CONDUIT. PROVIDE (1) 1" CONDUIT FROM EACH GATE TO SECURITY ROOM FOR CONTROL CABLING. COORDINATE STUB-UP REQUIREMENTS WITH ARCHITECT AND GATE MANUFACTURER.
- INTERCOM STATION: PROVIDE INTERCOM STATIONS MOUNTED ON POSTS (BY OTHERS) AT LOCATIONS INDICATED. PROVIDE (1) 3/4" CONDUIT TO POST. COORDINATE STUB-UP REQUIREMENTS WITH ARCHITECT AND INTERCOM MANUFACTURER.
- SECURITY CAMERA (PTZ): PROVIDE PTZ SECURITY CAMERA (SPECTRA HD W/ CLEAR BUBBLE, PELCO D5118 PTZ TO MATCH EXISTING) AT LOCATION INDICATED. PROVIDE CONDUIT FOR POWER AND DATA ROUTED TO SECURITY ROOM ON GROUND FLOOR.
- SECURITY CAMERA (FIXED): PROVIDE FIXED SECURITY CAMERA (SARIX VANDAL MINIDOME W/ CLEAR BUBBLE TO MATCH EXISTING) AT LOCATION INDICATED. PROVIDE CONDUIT FOR POWER AND DATA ROUTED TO SECURITY ROOM ON GROUND FLOOR.
- LONG RANGE OCCUPANCY SENSOR FOR DECK LIGHTS. SET OCCUPANCY SENSOR TO 30 MINUTE TIME OUT.
- REFER TO DRAWING NUMBER SF502 FOR MORE INFORMATION ON MOUNTING DETAILS.



LEVEL 3 ELECTRICAL PLAN
EE102 1/16\"/>

DEDUCT ALTERNATES:

- DEDUCT 1**
- REMOVE ELEVATOR #2 CAB AND EQUIPMENT. ELEVATOR HOIST WAY TO REMAIN.
 - DELETE DISCONNECT AND POWER FEEDER CONDUCTORS SERVING ELEVATOR MACHINE #2.
 - CONDUITS AND SPARE ELECTRICAL CAPACITY SHALL REMAIN IN DESIGN TO ALLOW FOR FUTURE INSTALLATION OF SECOND ELEVATOR CAB.
 - REMOVE CAR/PARKING COUNT SYSTEM.
 - DELETE ALL BOXES, CONDUIT, ROUGH-INS, ETC. ASSOCIATED WITH THIS SYSTEM.
 - REMOVE STOREFRONT FROM STAIR SHAFTS
- DEDUCT 2**
- DEDUCT LEVEL 4 PRECAST CONCRETE STRUCTURE AND ASSOCIATE ITEMS TO COLUMN LINE 7.
 - DELETE (20) TYPE 'A' PARKING DECK LIGHT FIXTURES FROM LEVEL 3.
 - RELOCATE LEVEL 3 DAYLIGHT TRANSITION LIGHTING TO NEW DAYLIGHT TRANSITION AREA AT COLUMN LINE 7.
 - REDUCE SOUTH STAIR AND ELEVATOR TOWER 1 LEVEL.
 - DELETE ALL LIGHTING, POWER, AND SYSTEMS DEVICES SHOWN ON LEVEL 4 OF SOUTH STAIR TOWER.
- DEDUCT 3**
- DEDUCT LEVEL 4 PRECAST CONCRETE STRUCTURE AND ASSOCIATE ITEMS FROM COLUMN LINE 7 TO LEVEL 3 RAMP COLUMN LINE 3.
 - ALL DELETIONS DESCRIBED IN DEDUCT 2 APPLY.
 - DELETE (21) TYPE 'A' PARKING DECK LIGHT FIXTURES FROM LEVELS 2 AND 3.
 - RELOCATE LEVEL 3 DAYLIGHT TRANSITION LIGHTING TO NEW DAYLIGHT TRANSITION AREA AT LEVEL 2 COLUMN LINE 3.
 - REDUCE NORTH STAIR TOWER 1 LEVEL.
 - DELETE ALL LIGHTING, POWER, AND SYSTEMS DEVICES SHOWN ON LEVEL 4 OF NORTH STAIR TOWER.
 - REMOVE SILANE SEALER ON ALL LEVELS.



KEY PLAN

100% CONSTRUCTION DOCUMENTS									
Drawing Title LEVEL 3 & 4 ELECTRICAL PLAN		Project Title BUILD PARKING GARAGE A		CMTA Project Number VHG14 Building Number 132		Office of Facilities Management		VA Project Number 580-321	
Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER		Location Michael E. DeBaKey VAMC, Houston, TX		Drawing Number EE102		VA Project Number 580-321		VA Project Number 580-321	
Date 2015/10/16		Checked By: ZPS		Drawn By: IRS		VA Project Number 580-321		VA Project Number 580-321	

GENERAL NEW WORK NOTES (LIGHTING, POWER, AND SYSTEMS):

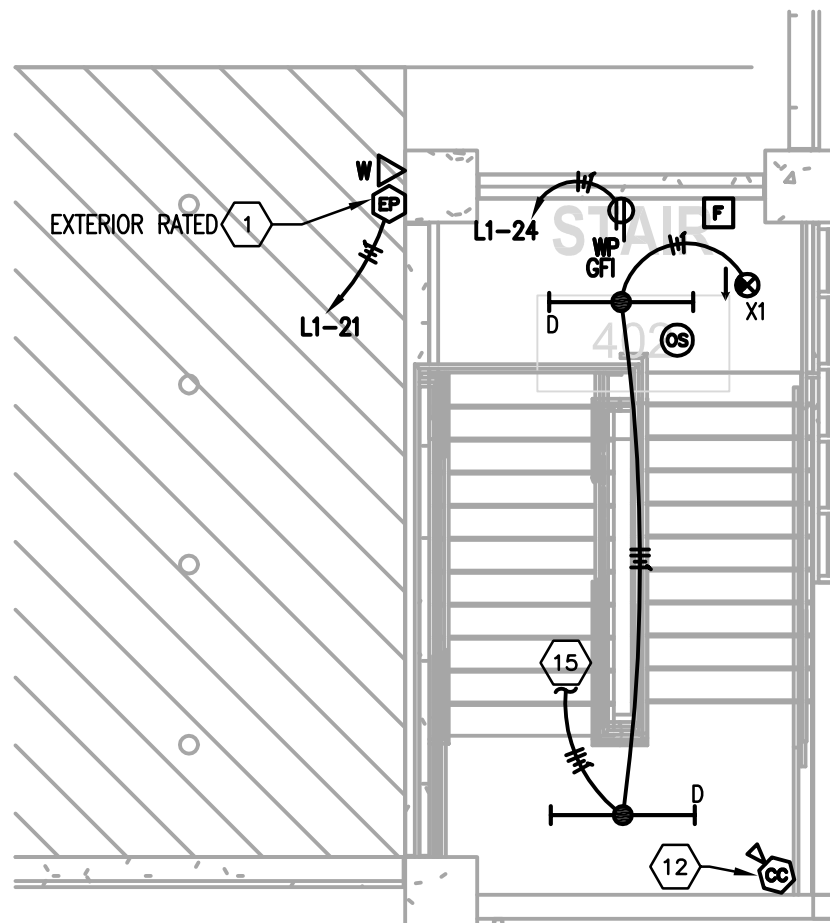
- THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN (U.O.N.) AND THICK SOLID LINES INDICATE NEW WORK.
- REFER TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF DEVICES, ETC.
- ALL NEW WIRING SHALL BE #12 WITH A #12 INSULATED GROUND WIRE (U.O.N.). CONDUIT SHALL BE 3/4" MINIMUM.
- THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE- DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
- REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS ON EACH SYSTEM.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR EACH RECEPTACLE, SWITCH, ETC. IN AREA OF CONSTRUCTION. ENGRAVE THE OUTSIDE OF THE DEVICE COVERPLATES FOR IDENTIFICATION. PROVIDE STAINLESS STEEL FACEPLATES PER SPECIFICATIONS.

TAGGED NOTES:

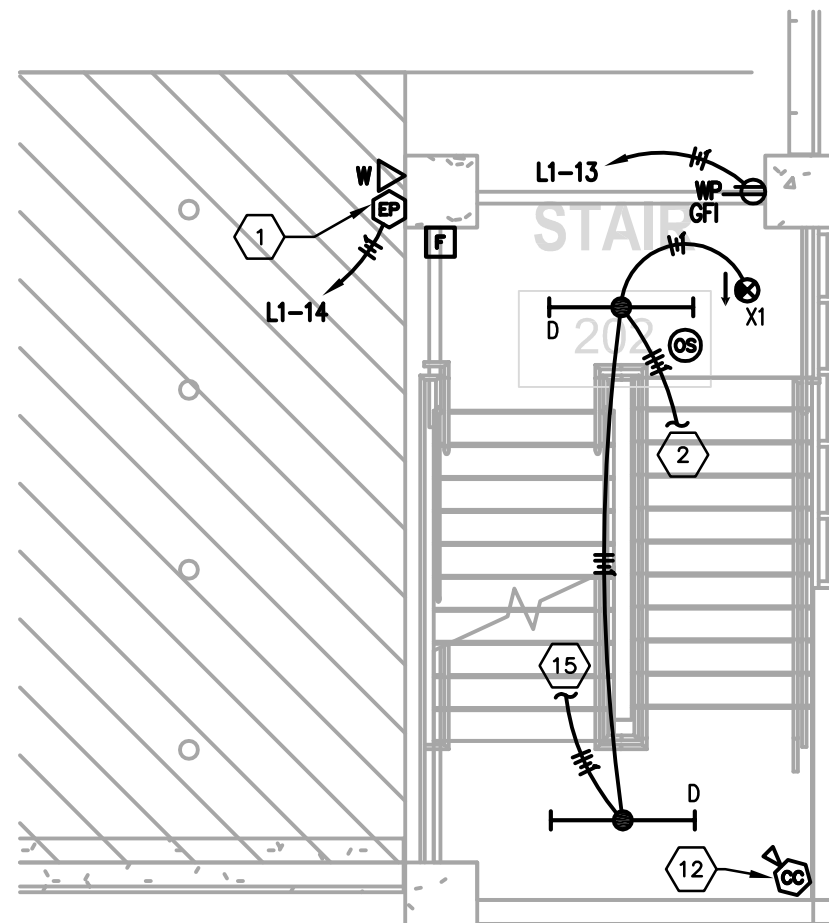
- PROVIDE "BLUE LIGHT" SECURITY TELEPHONE CALL BOX MOUNTED ON WALL PER VA STANDARDS. TYPICAL ALL FLOORS. IN ADDITION TO POWER CIRCUIT, PROVIDE (1) 3/4" CONDUIT FROM ALL BOX DIRECTLY TO TERMINAL BLOCK IN FIRST FLOOR IT CLOSET. INSTALL (1) CAT 6 CABLE IN CONDUIT AND TERMINATE AT PHONE. VA WILL TERMINATE ON TTB. REFER TO SPECIFICATIONS FOR DIMENSION DETAILS.
- CONTINUE CIRCUIT TO LEVEL ABOVE
- ELEVATOR EQUIPMENT: PROVIDE 120V/20A/1P ENCLOSED CIRCUIT BREAKER WITH NEMA-1, SURFACE ENCLOSURE FOR ELEVATOR EQUIPMENT. BREAKER SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION PER NEC 620. COORDINATE CLEARANCE AROUND DISCONNECT SWITCH PER NEC WITH ELEVATOR INSTALLER. ELECTRICAL CONNECTION FROM DISCONNECT SWITCH TO ELEVATOR EQUIPMENT BY ELEVATOR INSTALLER AND INSTALLED IN ACCORDANCE WITH NEC 620.
- ELEVATOR DISCONNECT SWITCH: PROVIDE 600V/30A/3P DISCONNECT SWITCH WITH NEMA-1, SURFACE ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE RATING FOR ELEVATOR. DISCONNECT SWITCH SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION PER 2008 NEC 620.51. COORDINATE CLEARANCE AROUND DISCONNECT SWITCH PER 2008 NEC 620.71 WITH ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
- SUMP PUMP: PROVIDE POWER FOR ELEVATOR PIT SUMP PUMP WITH MOTOR RATED TOGGLE SWITCH. LOCATE SWITCH ADJACENT TO PIT LADDER AND LABEL COVERPLATE "SUMP PUMP". COORDINATE LADDER LOCATION WITH ARCHITECTURAL DRAWINGS. MOUNT SWITCH 48" ABOVE PIT FINISHED FLOOR. VERIFY OUTLET REQUIREMENTS WITH MOTOR MANUFACTURER PRIOR TO ROUGH-IN. REFER TO PLUMBING PLANS FOR EXACT MOTOR LOCATION.
- ELEVATOR PIT AND TOP OF SHAFT 120V DEVICES: PROVIDE SWITCH, NEMA 5-20 GPOI DUPLEX RECEPTACLE AND LIGHT FIXTURES (LOCATED IN ELEVATOR PIT AND TOP OF SHAFT AS SHOWN ON PLANS). SWITCH SHALL BE LOCATED ADJACENT TO ELEVATOR PIT LADDER/ENTRANCE WAY AND SHALL CONTROL ALL LIGHTING THROUGHOUT THE SHAFT. COORDINATE LADDER/ENTRANCE WAY WITH ARCHITECTURAL DRAWINGS.
- STUB-UP COMMUNICATION DUCT BANK CONDUITS INSIDE GARAGE IT ROOM. SEE SITE PLAN FOR FURTHER INFORMATION AND LOCATION OF DUCT BANK. PROVIDE COMMUNICATIONS CABLING AS NECESSARY AND TERMINATE ON COMMUNICATIONS EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE NEW FIRE ALARM CONTROL PANEL. PANEL SHALL MATCH EQUIPMENT ALREADY INSTALLED ON CAMPUS. INTERCONNECT FIRE ALARM WITH CAMPUS NETWORK VIA DUCTBANK TO BUILDING 122.
- PROVIDE NETWORK SWITCH AND PATCH PANELS FOR CONNECTION OF IP SECURITY CAMERAS. PROVIDE RACK, PATCH PANELS, POWER STRIP, CABLE MANAGEMENT HARDWARE, ETC. TO MEET VA NETWORK SPECIFICATIONS. SEE SPECS FOR MORE INFORMATION. PROVIDE FIBER AND TERMINALS TO CONNECT CAMERAS TO CAMPUS NETWORK VIA COMMUNICATIONS DUCTBANK TO BUILDING 122.
- PROVIDE POWER AND DATA CONNECTION TO ACCESS CONTROL HARDWARE (BY OTHERS) AT EACH DOOR. COORDINATE REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
- PROVIDE WALL-MOUNTED RACK IN IT ROOM FOR NETWORK SWITCH. PROVIDE NETWORK SWITCH, PATCH PANELS, POWER STRIP, CABLE MANAGEMENT HARDWARE, ETC. TO MEET VA NETWORK SPECIFICATIONS. SEE SPECS FOR MORE INFORMATION.
- SECURITY CAMERA (FIXED): PROVIDE FIXED SECURITY CAMERA (SARIX VANDAL MINIDOME W/ CLEAR BUBBLE TO MATCH EXISTING) AT LOCATION INDICATED. PROVIDE CONDUIT FOR POWER AND DATA ROUTED TO SECURITY ROOM ON GROUND FLOOR.
- CONTRACTOR SHALL CONNECT ACCESS CONTROL, AND INTERCOM SYSTEMS TO CAMPUS NETWORK VIA COMMUNICATIONS DUCTBANK TO BUILDING 122.
- PROVIDE AND INSTALL 30 WATTS OF HEAT TRACE IN THE EXTERIOR HOT BOX. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION.
- CIRCUIT CONTINUED FROM LEVEL BELOW.

DEDUCT ALTERNATES:

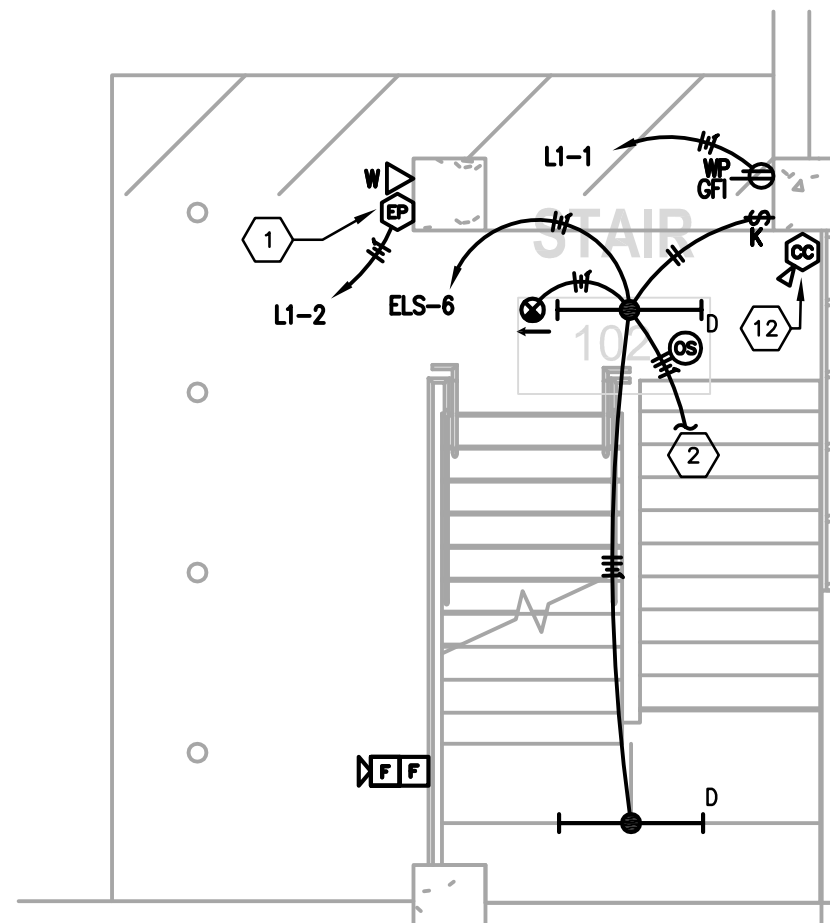
- DEDUCT 1
- A. REMOVE ELEVATOR #2 CAB AND EQUIPMENT. ELEVATOR HOIST WAY TO REMAIN.
- DELETE DISCONNECT AND POWER FEEDER CONDUCTORS SERVING ELEVATOR MACHINE #2.
 - CONDUITS AND SPARE ELECTRICAL CAPACITY SHALL REMAIN IN DESIGN TO ALLOW FOR FUTURE INSTALLATION OF SECOND ELEVATOR CAB.
- B. REMOVE CAR/PARKING COUNT SYSTEM
- DELETE ALL BOXES, CONDUIT, ROUGH-INS, ETC. ASSOCIATED WITH THIS SYSTEM.
- C. REMOVE STOREFRONT FROM STAIR SHAFTS
- DEDUCT 2
- A. DEDUCT LEVEL 4 PRECAST CONCRETE STRUCTURE AND ASSOCIATE ITEMS TO COLUMN LINE 7.
- DELETE (20) TYPE 'A' PARKING DECK LIGHT FIXTURES FROM LEVEL 3.
 - RELOCATE LEVEL 3 DAYLIGHT TRANSITION LIGHTING TO NEW DAYLIGHT TRANSITION AREA AT COLUMN LINE 7.
- B. REDUCE SOUTH STAIR AND ELEVATOR TOWER 1 LEVEL
- DELETE ALL LIGHTING, POWER, AND SYSTEMS DEVICES SHOWN ON LEVEL 4 OF SOUTH STAIR TOWER.
- DEDUCT 3
- A. DEDUCT LEVEL 4 PRECAST CONCRETE STRUCTURE AND ASSOCIATE ITEMS FROM COLUMN LINE 7 TO LEVEL 3 RAMP COLUMN LINE 3.
- ALL DELETIONS DESCRIBED IN DEDUCT 2 APPLY.
 - DELETE (20) TYPE 'A' PARKING DECK LIGHT FIXTURES FROM LEVELS 2 AND 3.
 - RELOCATE LEVEL 3 DAYLIGHT TRANSITION LIGHTING TO NEW DAYLIGHT TRANSITION AREA AT LEVEL 2 COLUMN LINE 3.
- B. REDUCE NORTH STAIR TOWER 1 LEVEL
- DELETE ALL LIGHTING, POWER, AND SYSTEMS DEVICES SHOWN ON LEVEL 4 OF NORTH STAIR TOWER.
- C. REMOVE SILANE SEALER ON ALL LEVELS.



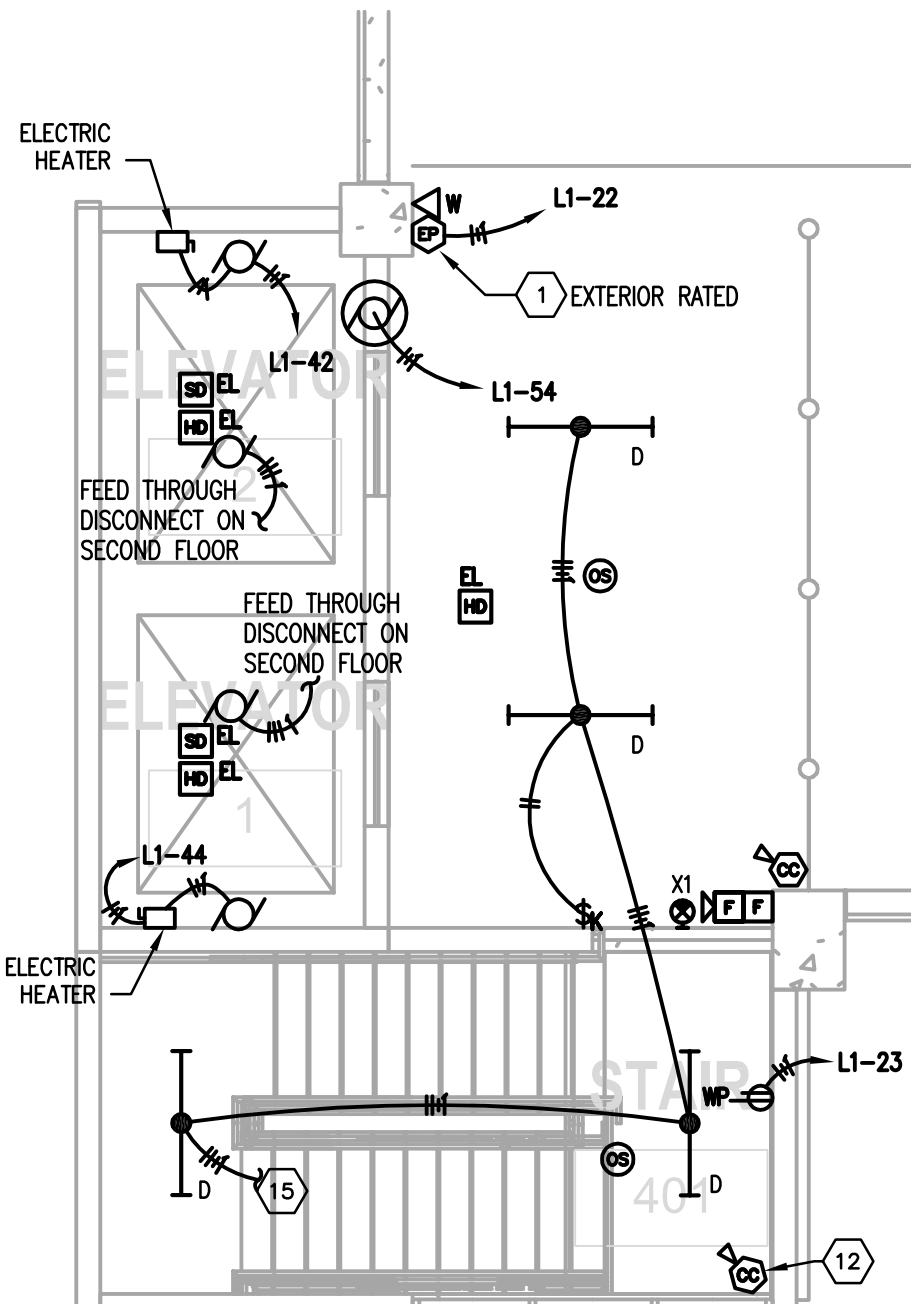
LEVEL 4 STAIR 102 ENLARGED PLAN
E401 3/16" = 1"



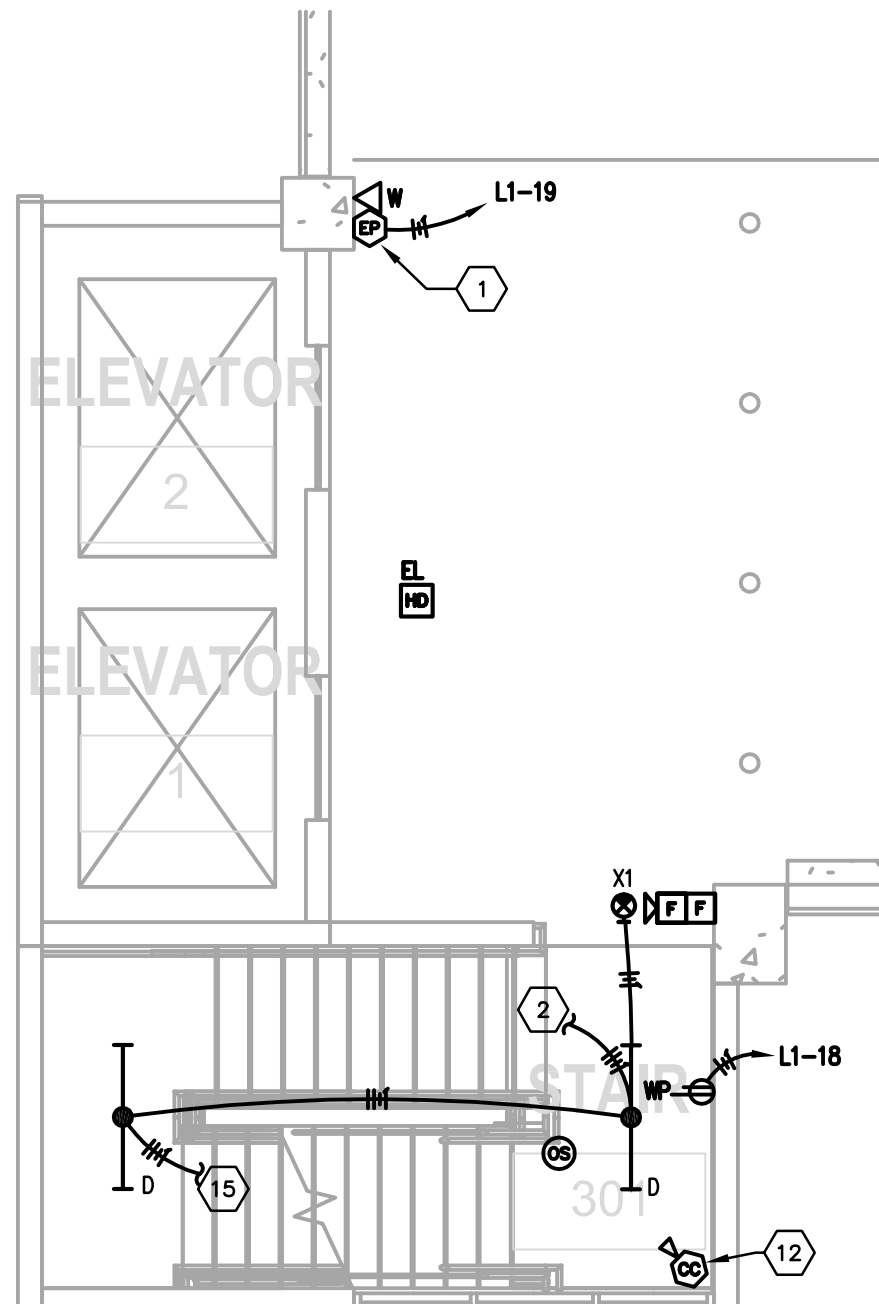
LEVEL 2 & 3 STAIR 102 ENLARGED PLAN
E401 3/16" = 1"



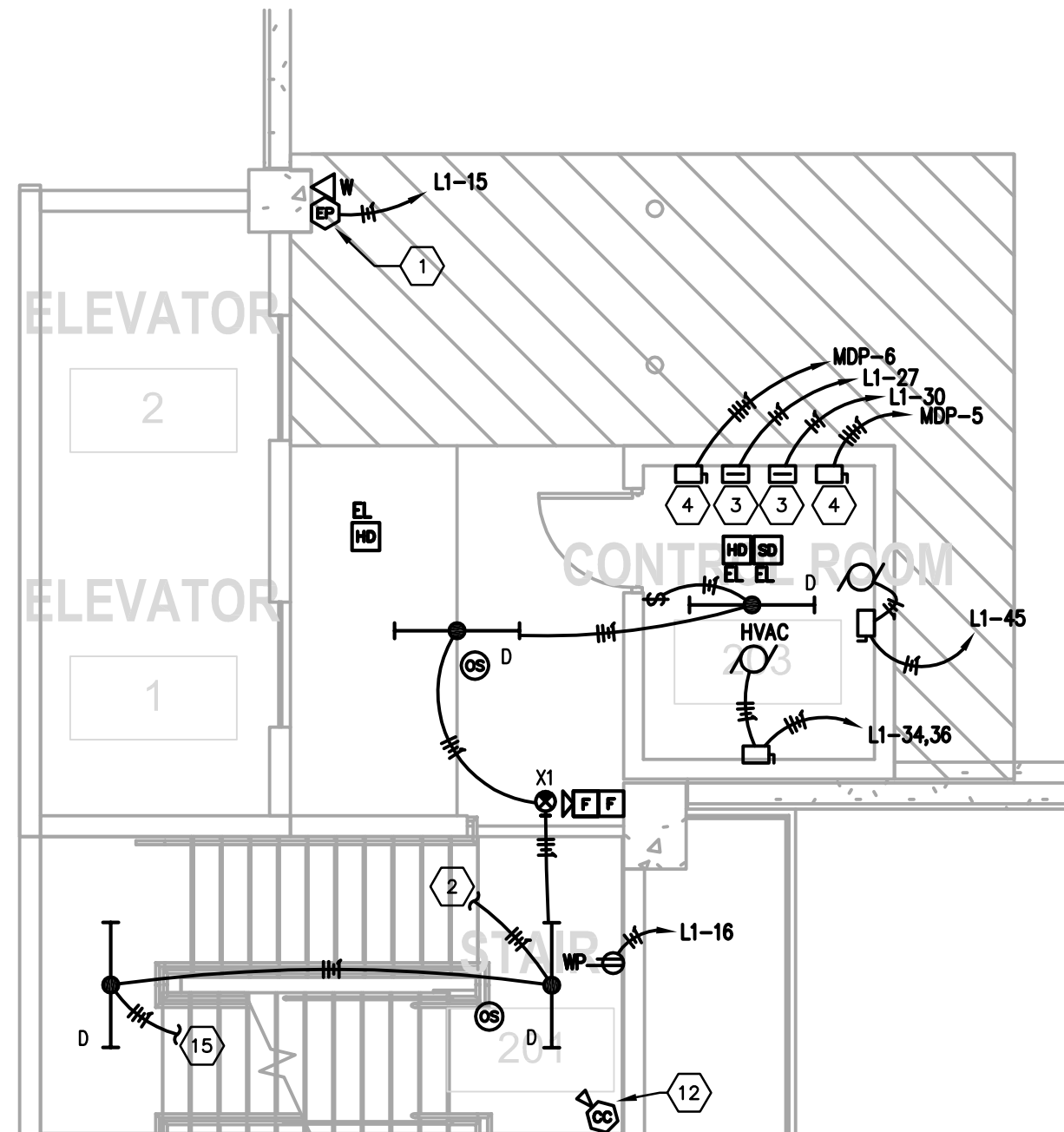
LEVEL 1 STAIR 102 ENLARGED PLAN
E401 3/16" = 1"



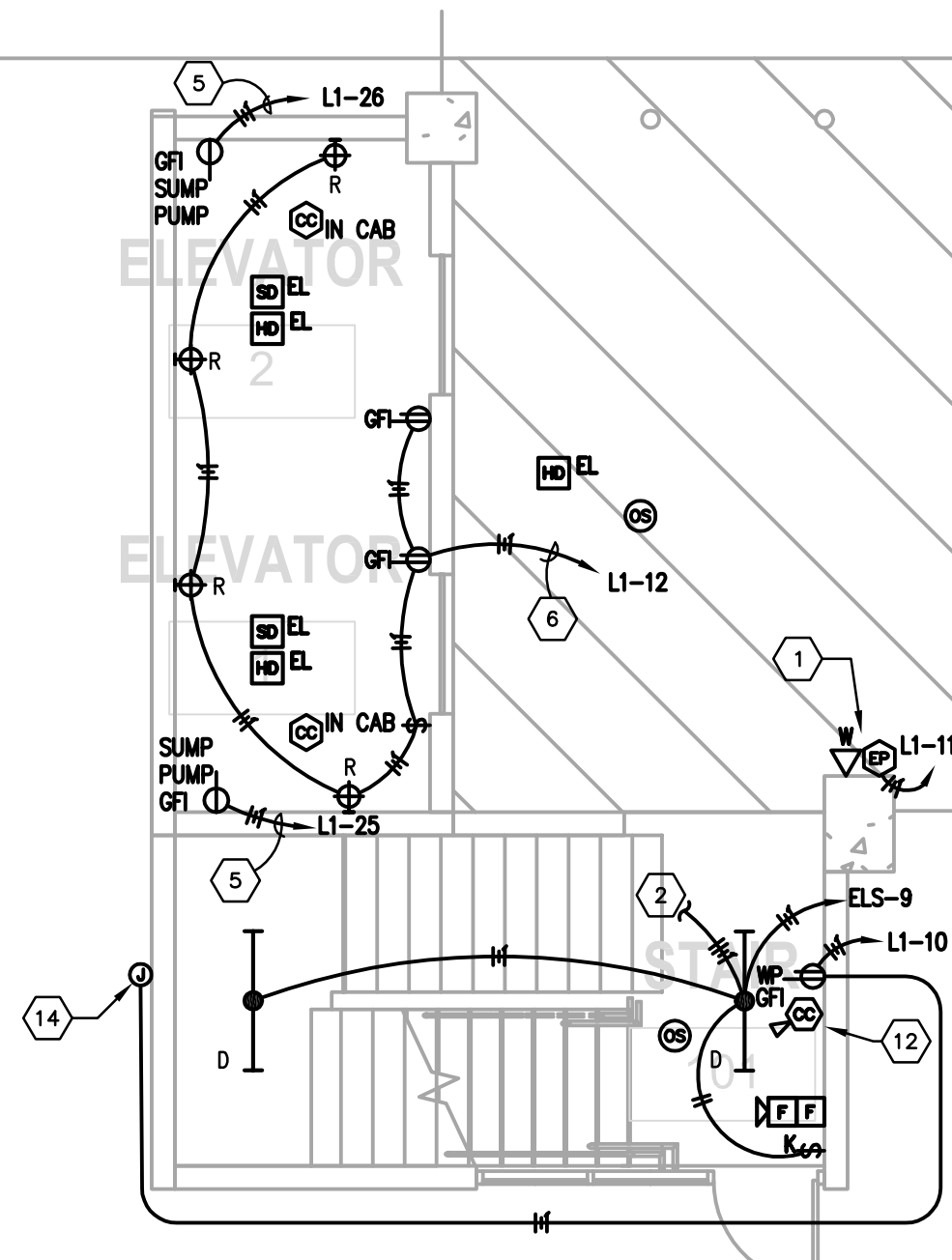
LEVEL 4 STAIR 101 ENLARGED PLAN
E401 3/16" = 1"



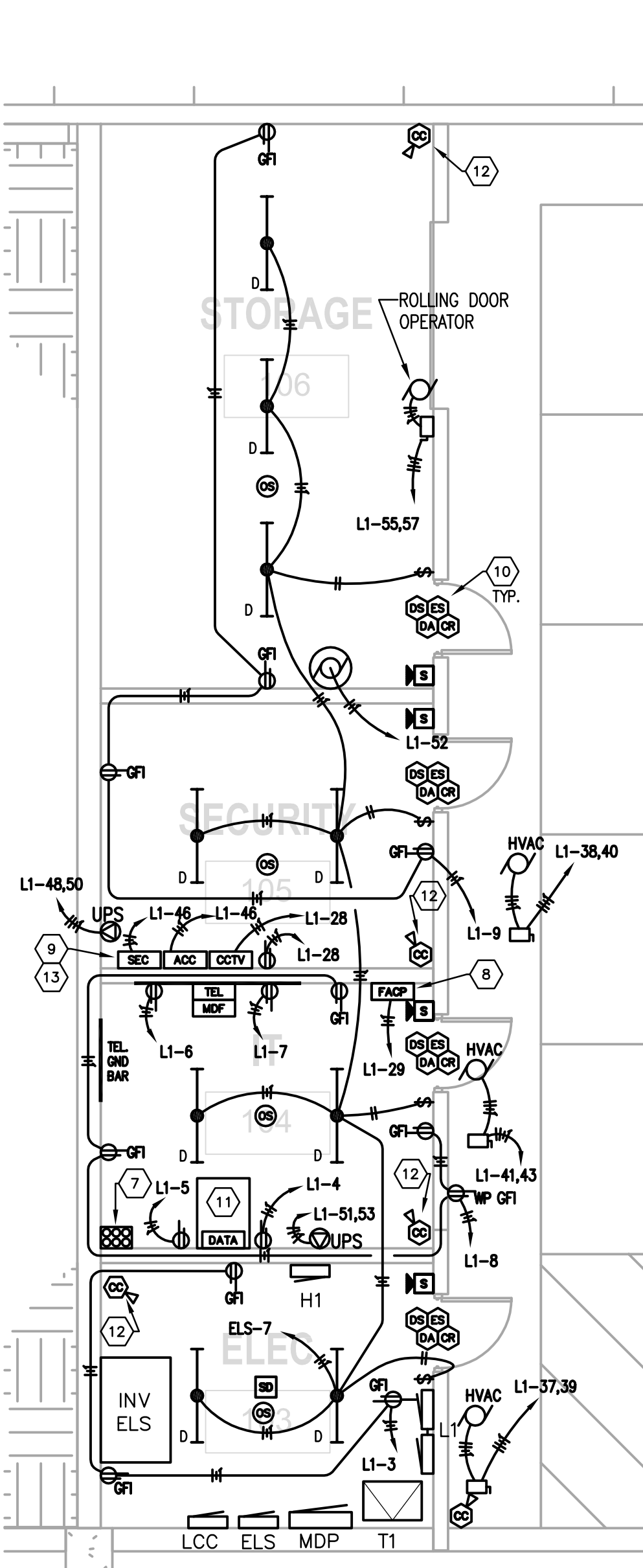
LEVEL 3 STAIR 101 ENLARGED PLAN
E401 3/16" = 1"

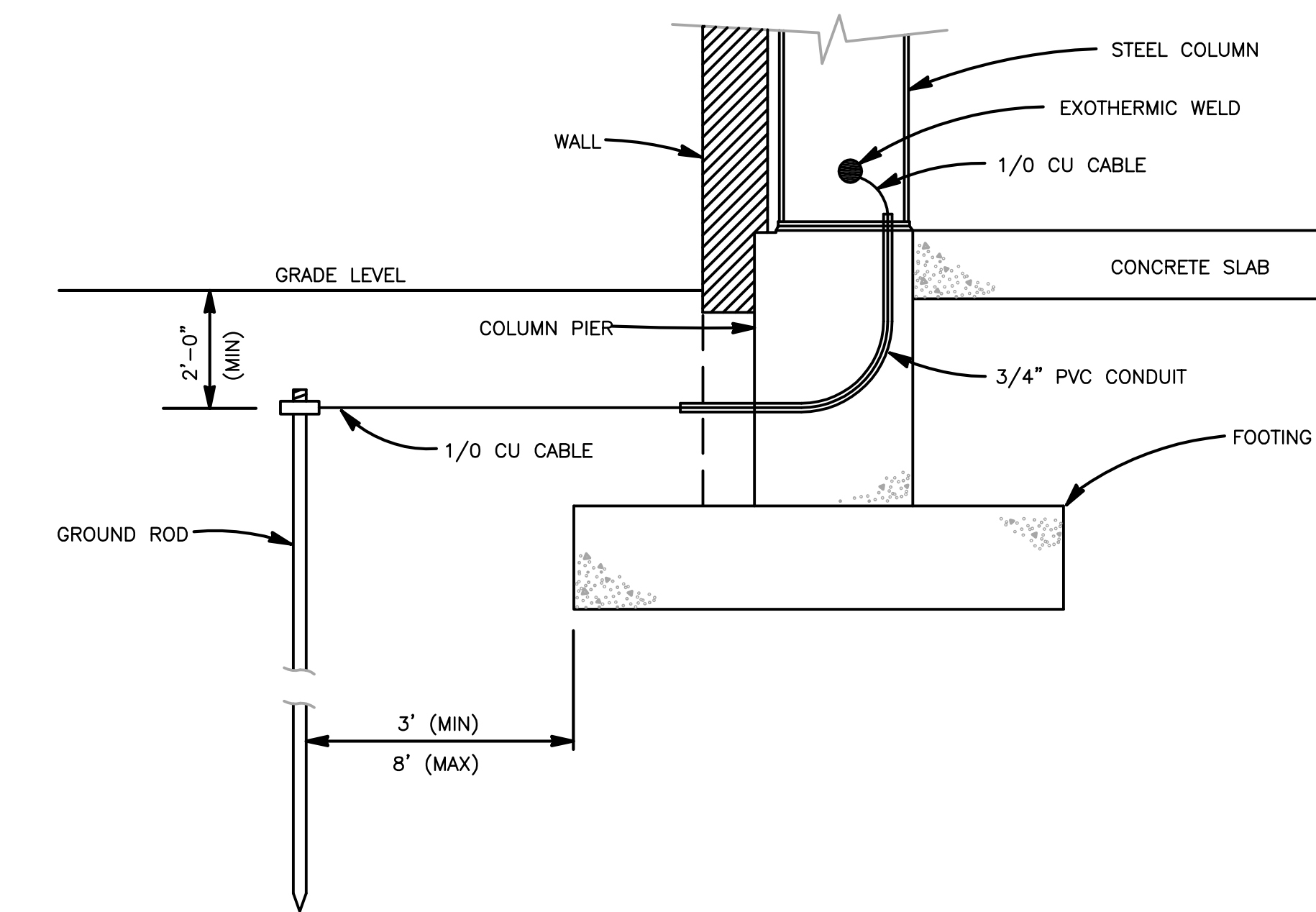


LEVEL 2 STAIR 101 ENLARGED PLAN
E401 3/16" = 1"

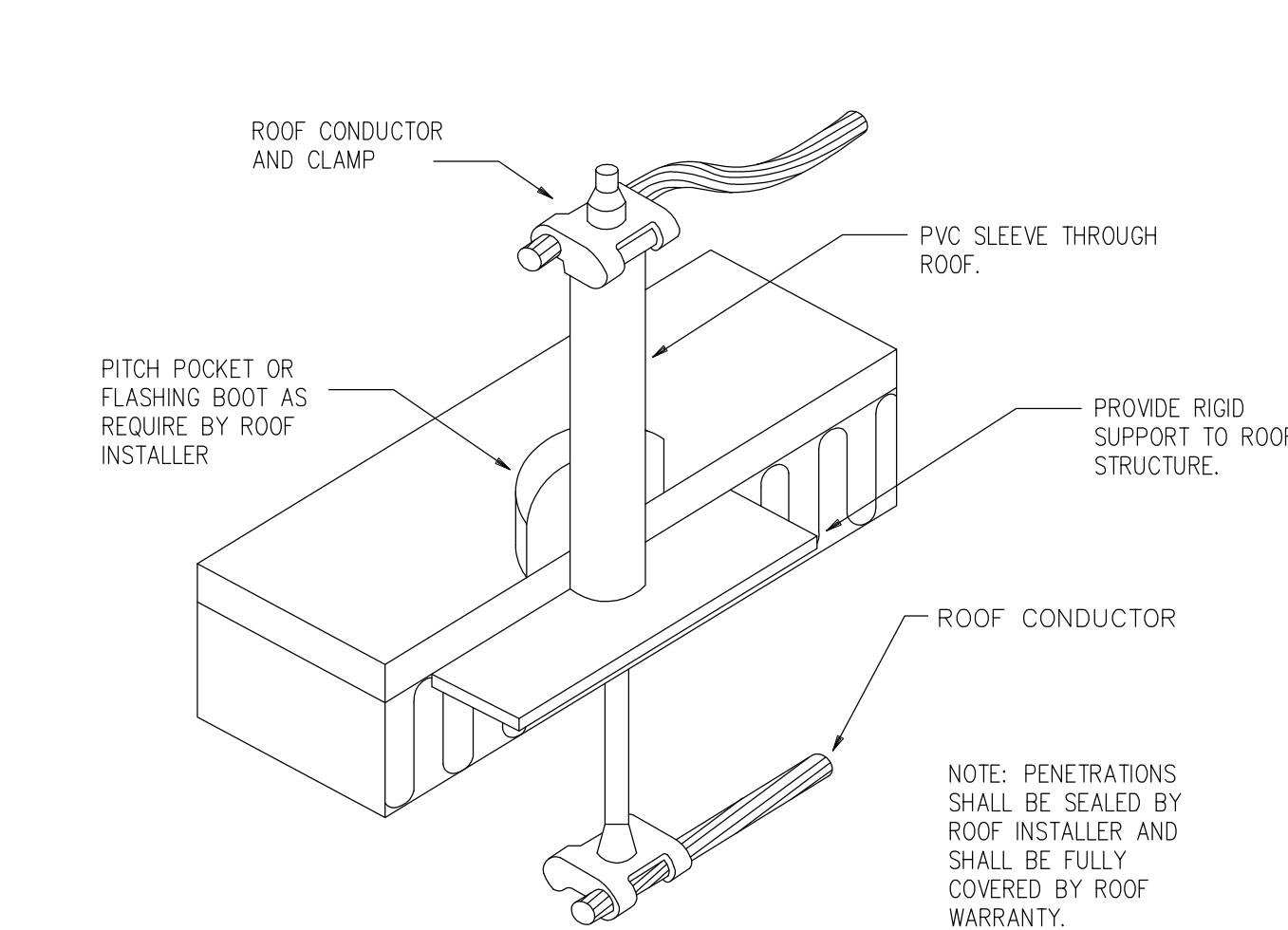


LEVEL 1 STAIR 101 ENLARGED PLAN
E401 3/16" = 1"

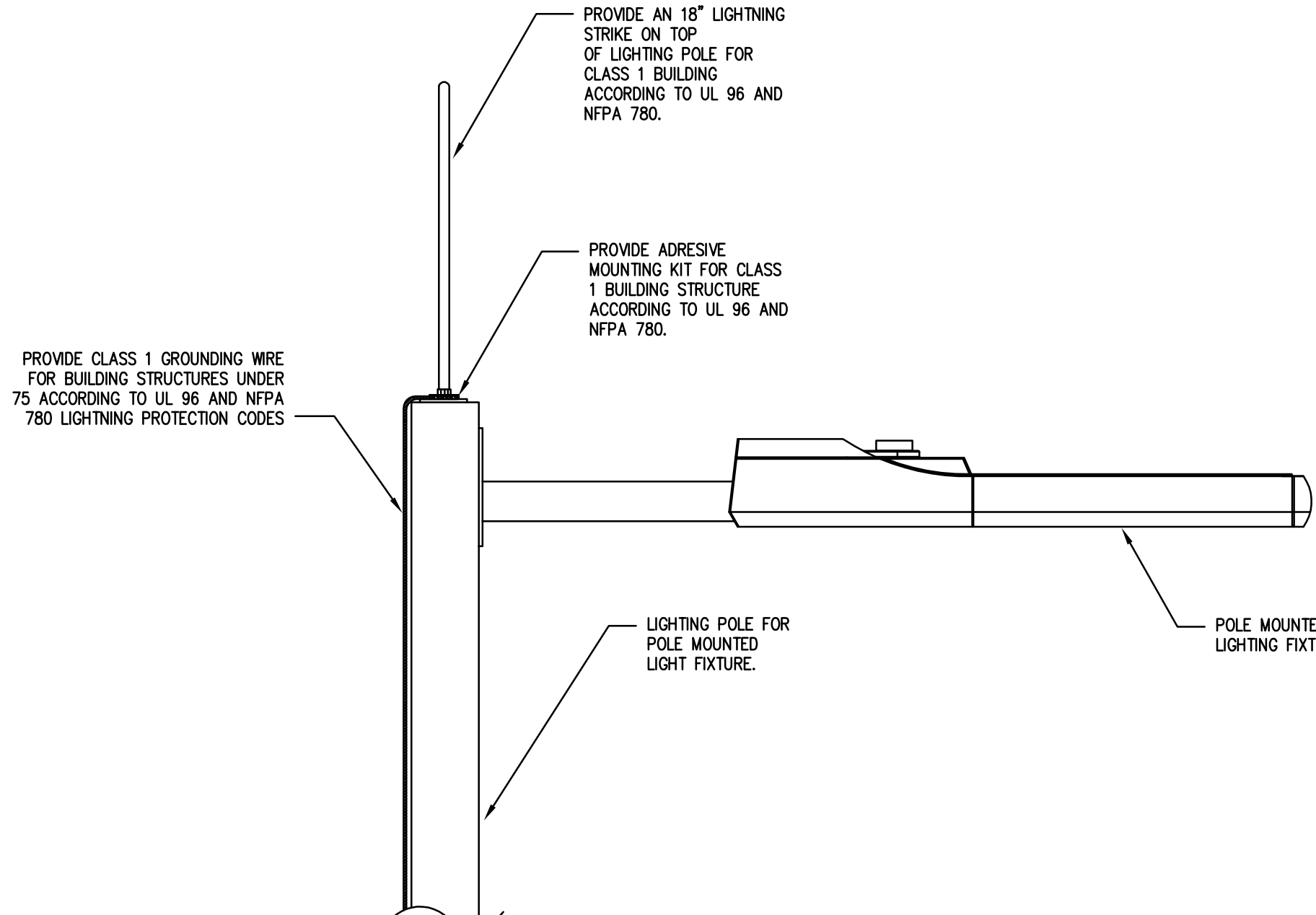




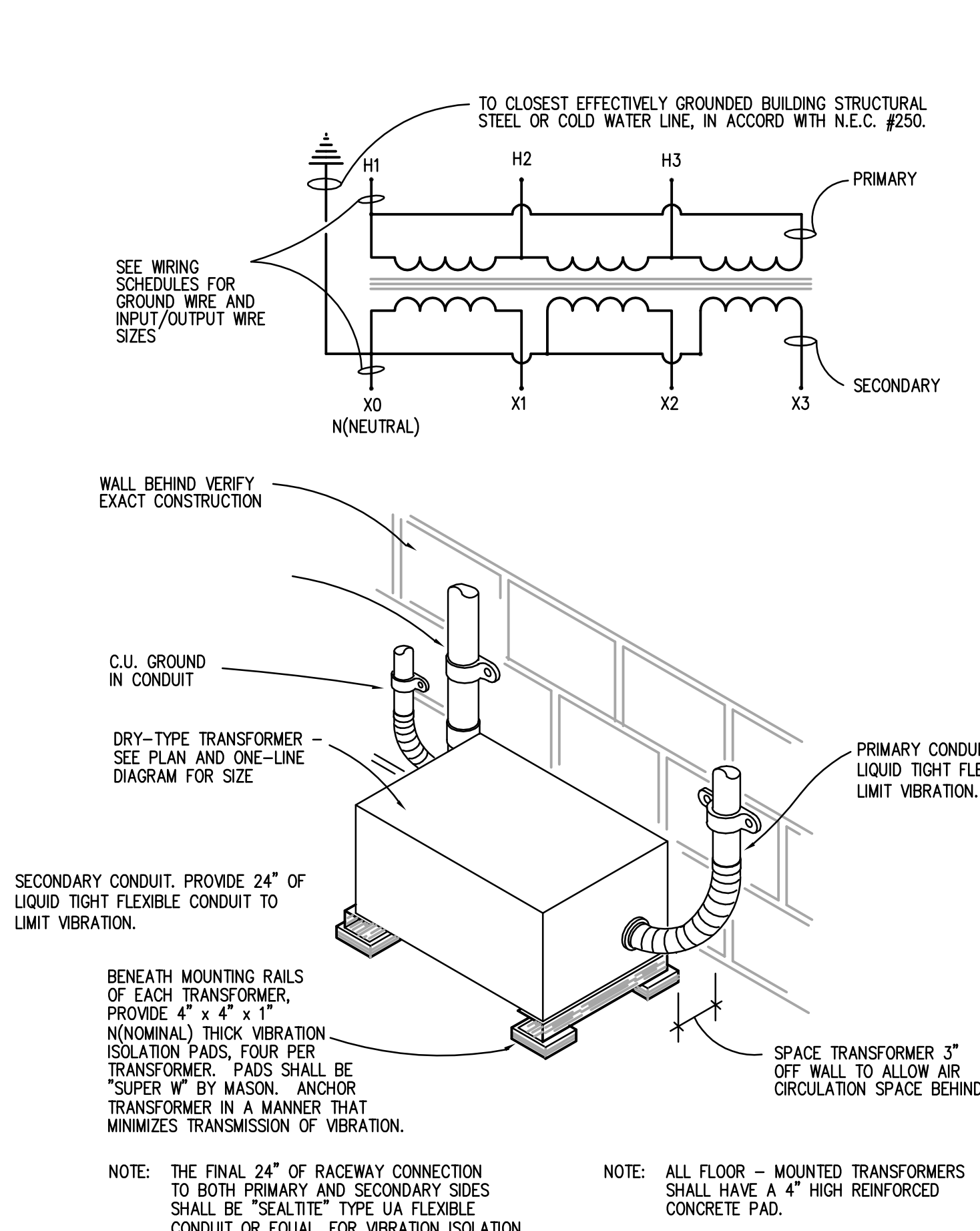
9
EES02 N/A
COLUMN MOUNTING DETAIL



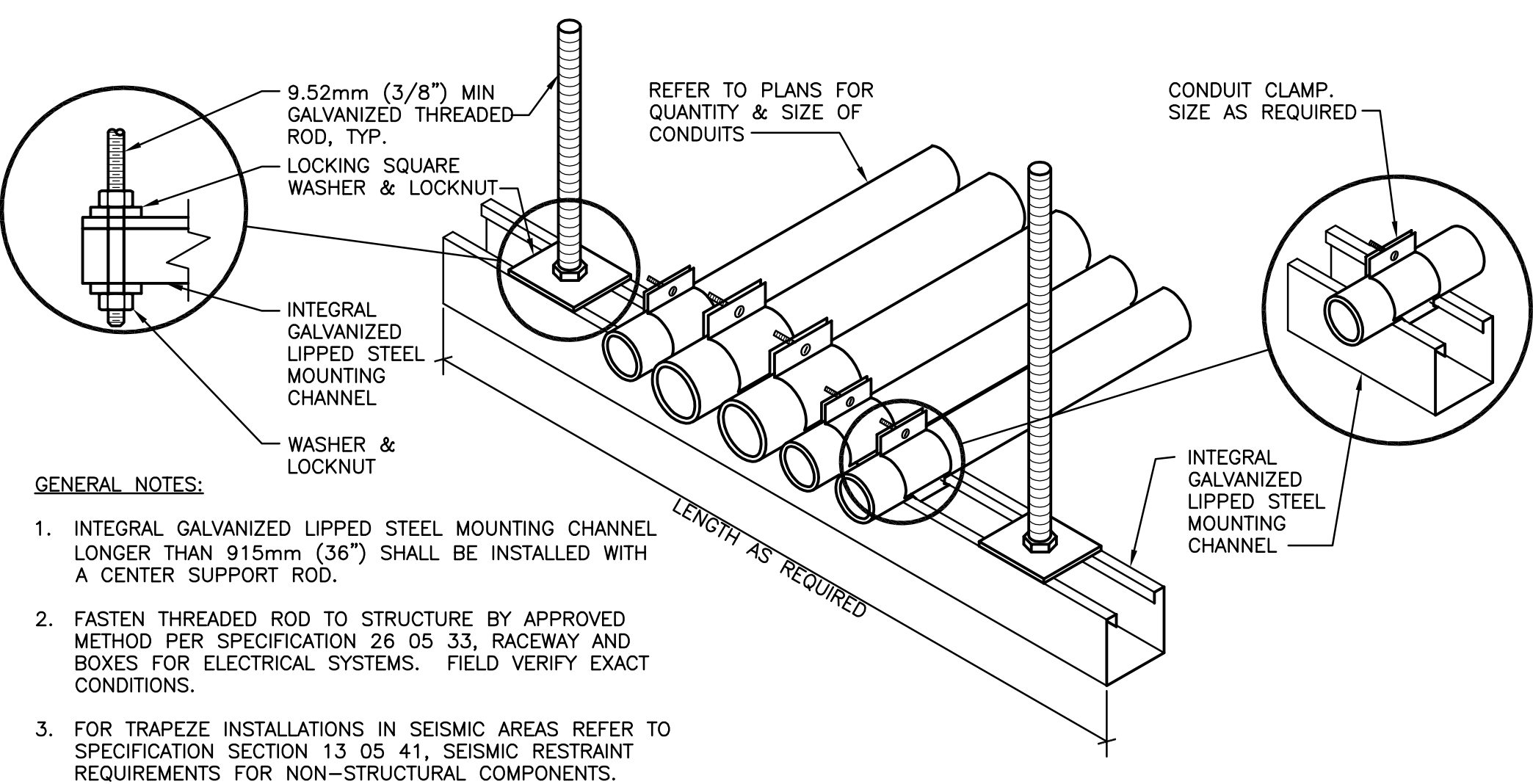
10
EES02 N/A
THRU-ROOF CABLE CONNECTOR DETAIL



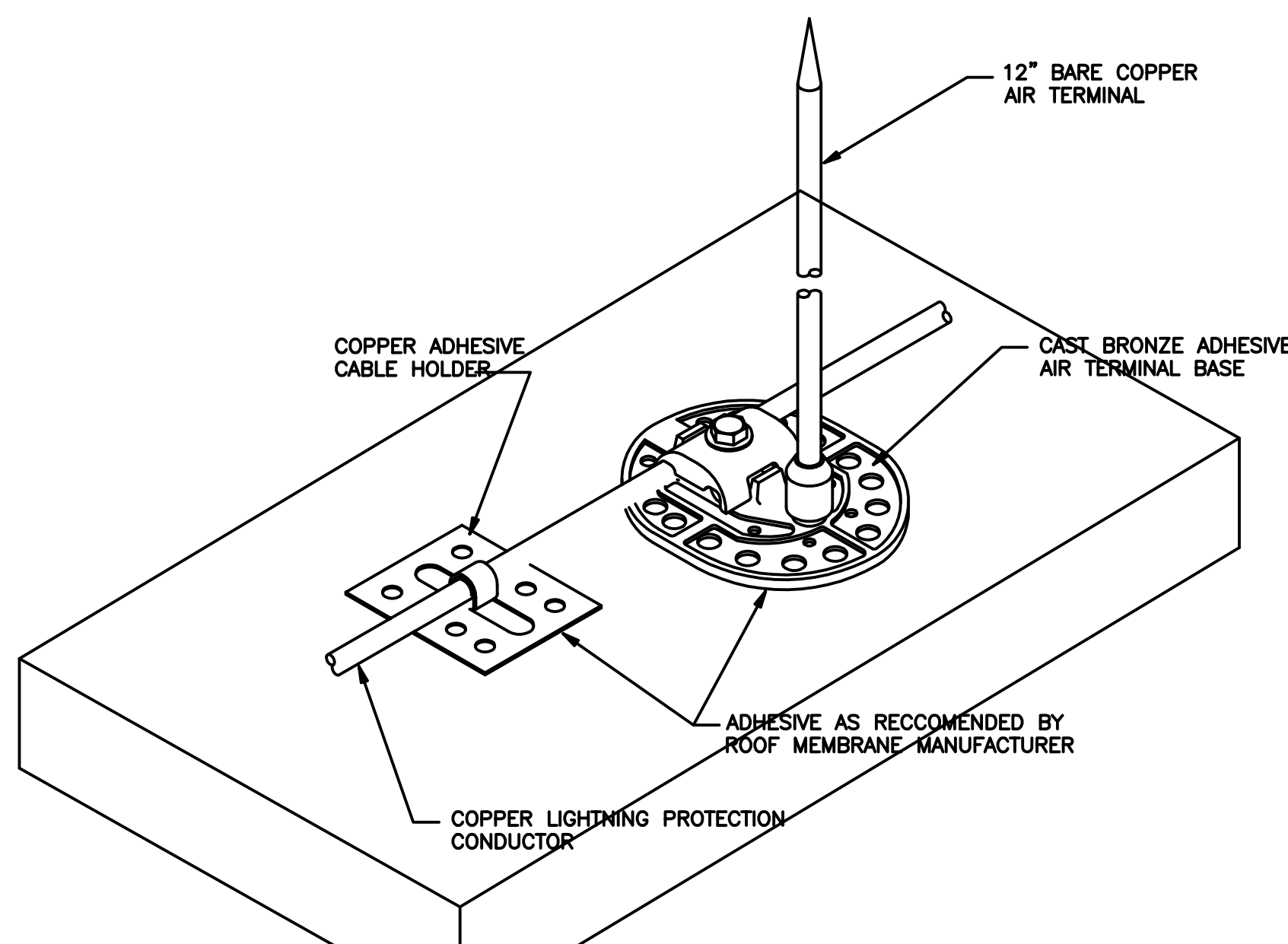
12
EES02 N/A
AIR TERMINAL MOUNTING DETAIL - LIGHT POLE



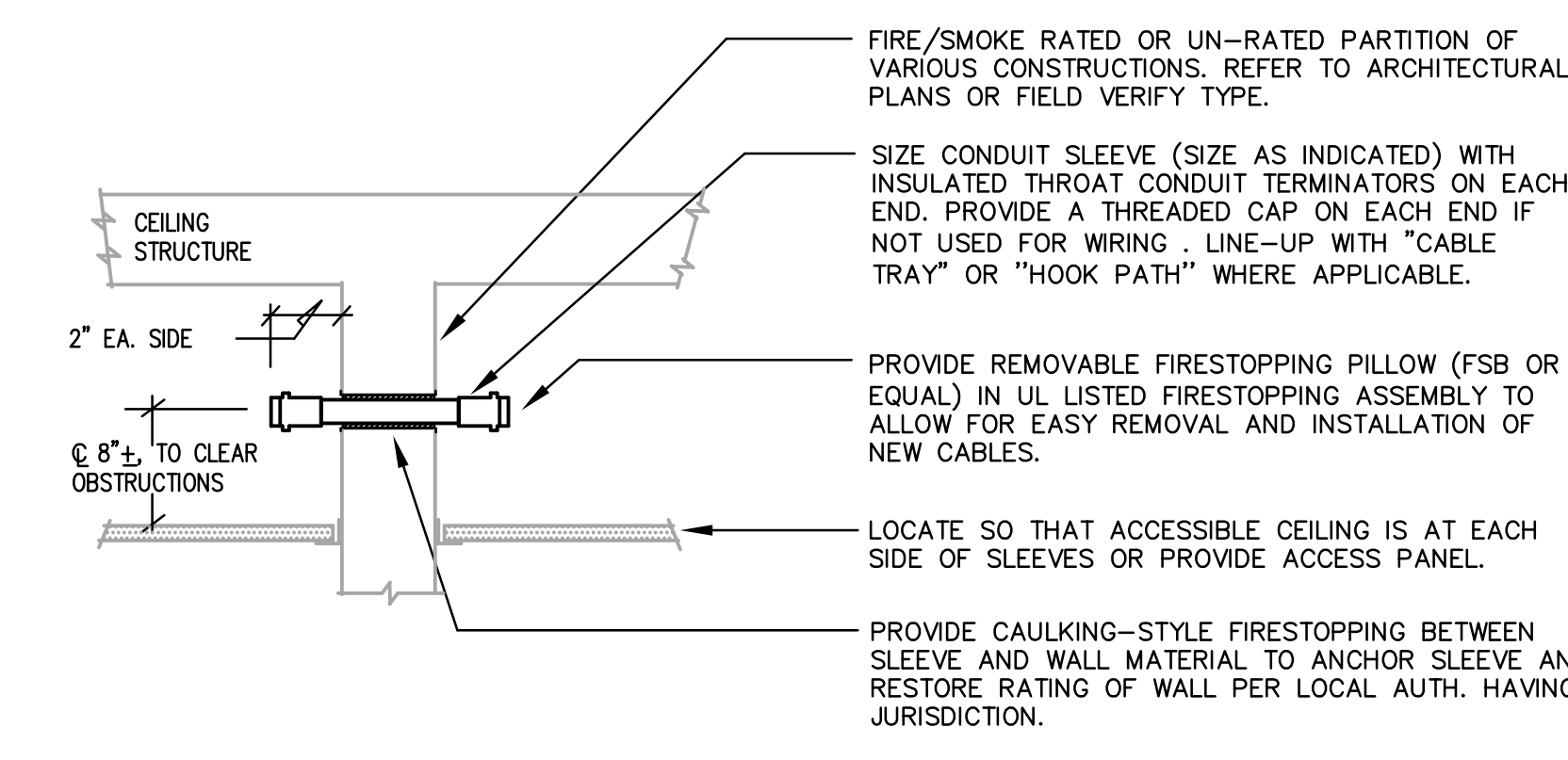
3
EES02 N/A
TYPICAL DRY-TYPE TRANSFORMER INSTALLATION DETAIL



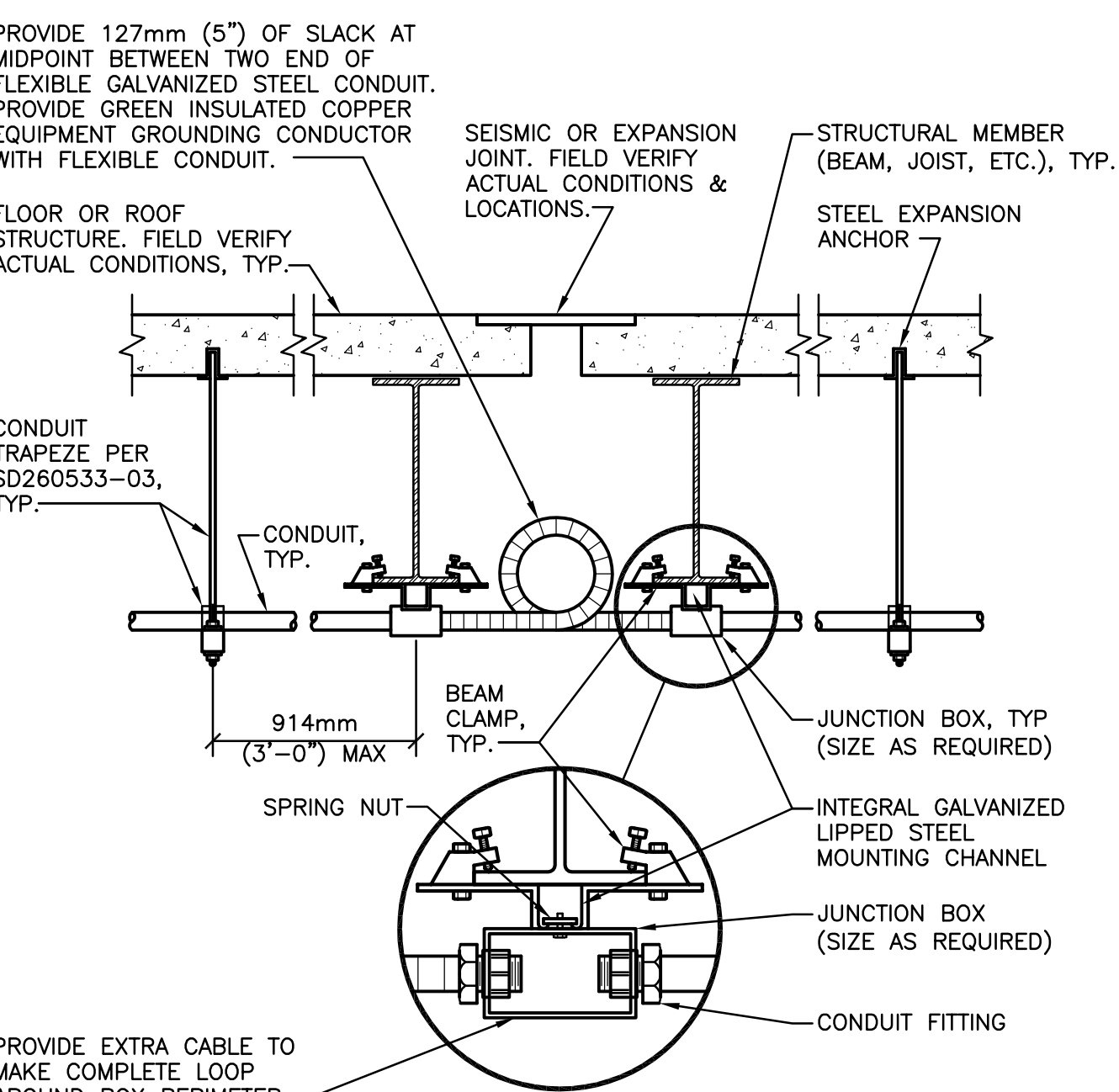
1
EES02 N/A
CONDUIT TRAPEZE MOUNTING DETAIL



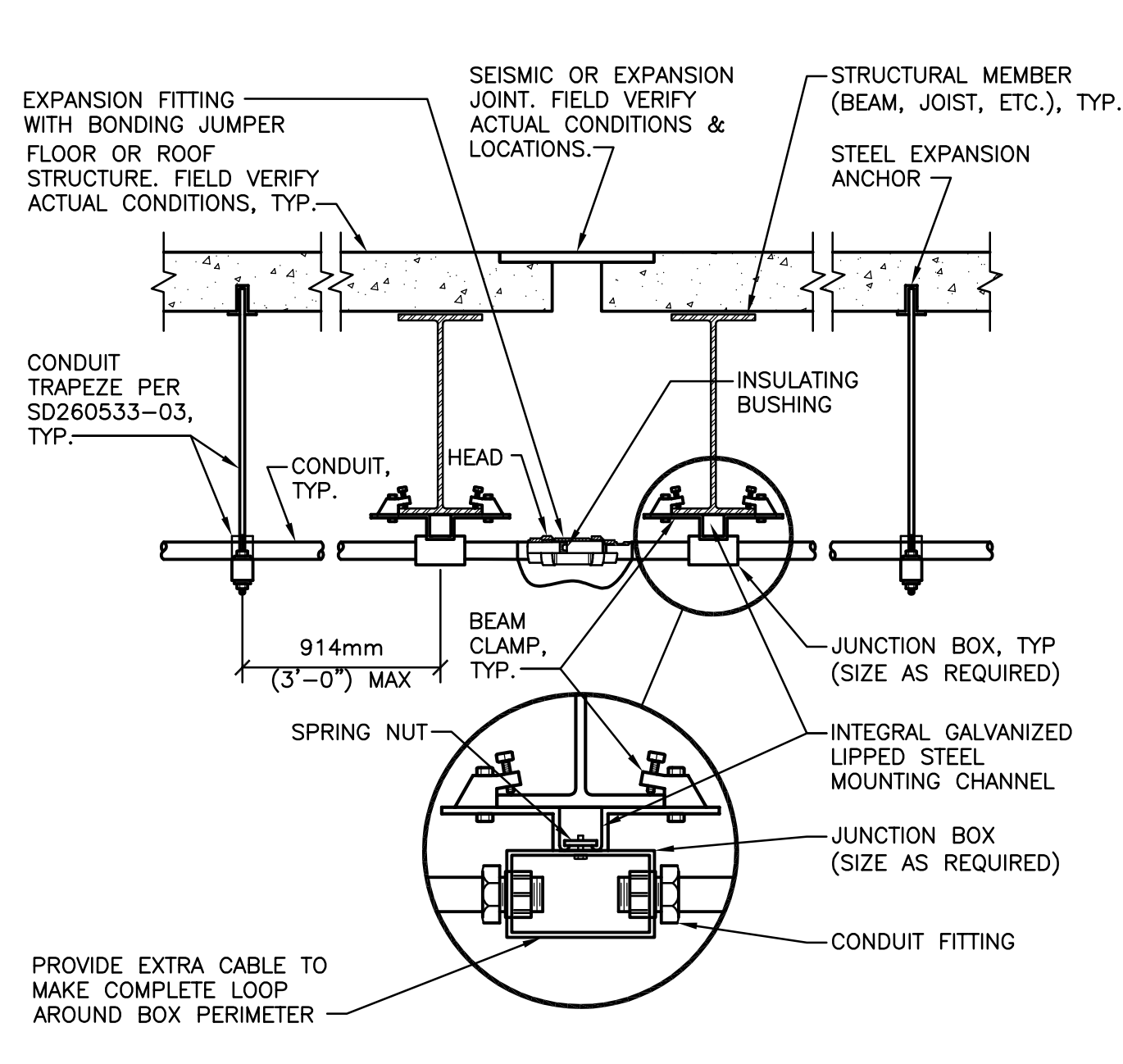
11
EES02 N/A
ADHESIVE MOUNT AIR TERMINAL DETAIL



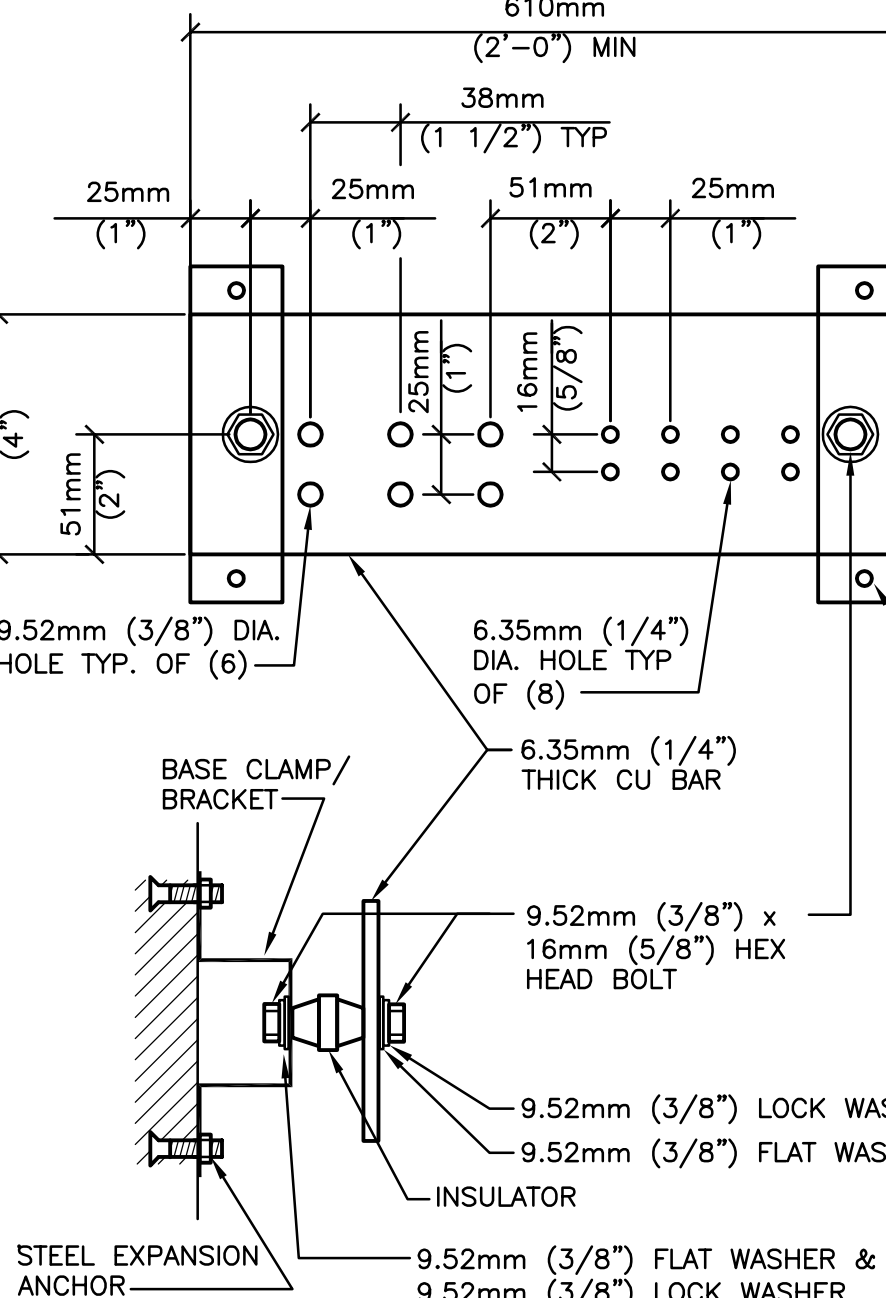
2
EES02 N/A
SYSTEMS CABLING SLEEVE INSTALLATION DETAIL



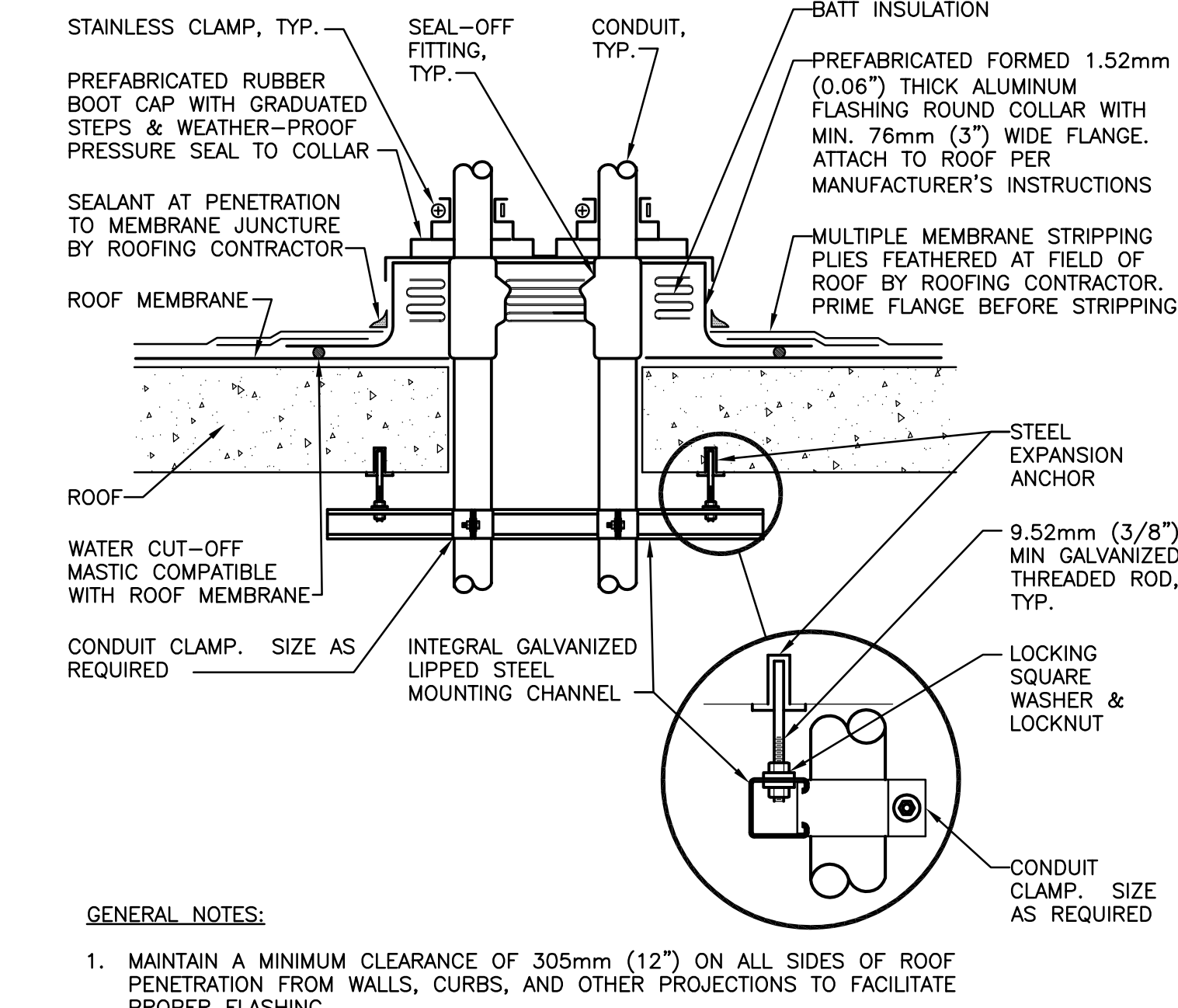
4
EES02 N/A
CONDUIT EXPANSION JOINT CROSSING DETAIL-FLEXIBLE CONDUIT



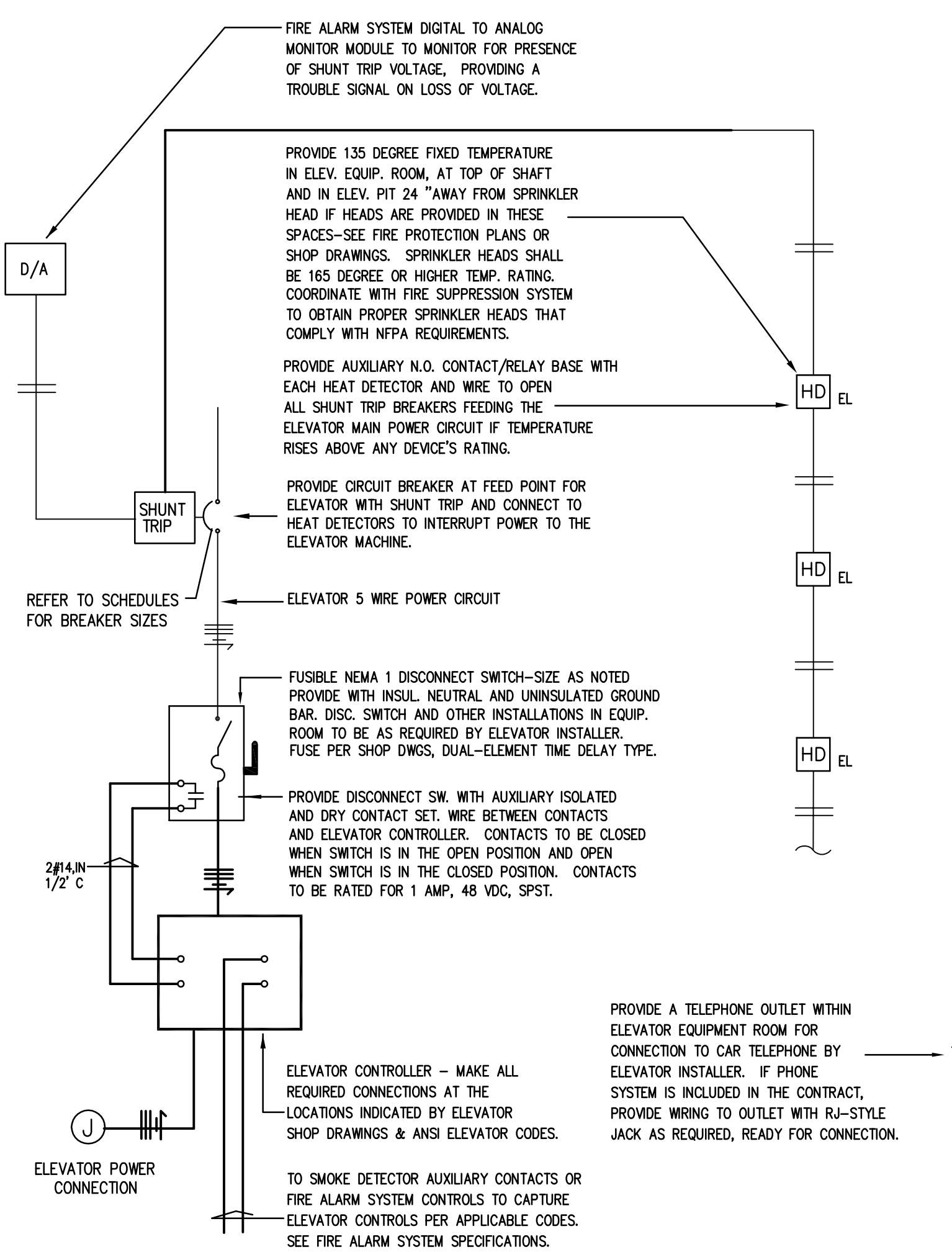
5
EES02 N/A
CONDUIT EXPANSION JOINT CROSSING DETAIL - EXPANSION FITTING



6
EES02 N/A
GROUNDING BAR DETAIL



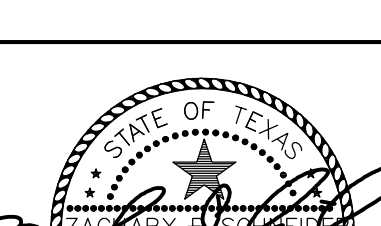


7
EES02 N/A
CONDUIT ROOF PENETRATION DETAIL



8
EES02 N/A
ELEVATOR POWER WIRING DIAGRAM

100% CONSTRUCTION DOCUMENTS									
Drawing Title ELECTRICAL DETAILS		Project Title BUILD PARKING GARAGE A		CMTA Project Number VHG14		OFFICE OF FACILITIES MANAGEMENT			
				Building Number 132					
Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER		Location Michael E. DeBakey VAMC, Houston, TX		Drawing Number EE502		VA Project Number 580-321			
				Date 2015/10/16		Checked By: ZPS		Drawn By: IRS	

<div>VA</div> <div>U.S. Department of Veterans Affairs</div> <div>Michael E. DeBakey VAMC 2002 Holcombe BLVD, Houston TX 77030</div>		<div></div>	<div><div>CMTA F-8627 10/16/15</div></div>	<div>ARCHITECT/ENGINEERS:</div> <div><div>PROJECT LEAD Architect, Structural Engineer GUIDON DESIGN 1151 Kildare Farm Road, Suite 120, Cary, NC 27511 T: 919.858.7420</div><div>Mech & Plumb Engineer APOGEE CONSULTING GROUP, PA 1610 Woodstead Court, Suite 105, Woodlands, TX 77380 T: 281.419.9899</div><div>Elec Engineer CMTA CONSULTING ENGINEERS 1225 North Loop West, Suite 900, Houston, TX 77008 T: 713.864.2900</div><div>Civil Engineer H2B Inc., 2801 Network Blvd., Suite 101, Frisco, TX 75034 T: 469.777.5143</div><div>Functional Design CARL WALKER INC.</div></div>
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SITE UTILITIES PLAN (GENERAL NOTES):

- DO NOT SCALE FROM MECHANICAL OR ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS.
- LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS. EXISTING UTILITIES LOCATIONS MAY VARY. (CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE.) FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS. UTILITIES SHALL ALSO BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE BUILDING ENGINEER AND THE ELECTRICAL/MECHANICAL ENGINEER'S REPRESENTATIVE).
- CONTRACTOR SHALL VISIT SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.
- ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES, MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE TO BE INCLUDED AS A PART OF THIS CONTRACT.
- WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICES IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.
- PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY, THE ARCHITECT AND THE BUILDING OPERATORS AT LEAST ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND INSURE THAT THEY DO NOT DELAY WORK.
- REFER TO ALL OTHER PLANS AND SPECIFICATIONS, BUT ESPECIALLY TO:
 - A) THE SITE SURVEY
 - B) THE ARCHITECTURAL SITE PLAN
 - C) THE SITE GRADING PLAN
 - D) THE PLANTING PLAN (WHERE AVAILABLE)
 - E) FOUNDATION PLAN(S)
 - F) MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS
 - G) THE SITE UTILITY PLAN - MECHANICALWHERE THERE ARE CONFLICTS AMONG PLANS AND/OR RELATED SPECIFICATIONS, ADVISE ENGINEER AT LEAST TWELVE DAYS PRIOR TO SUBMISSION OF BIDS.
- CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED, FOR WORK. CONTRACTOR SHALL PATCH AND REPAIR ALL LANDSCAPING THAT IS DISTURBED FOR WORK AS REQUIRED.
- FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF OUTDOOR RECEPTACLES WITH OWNER PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL PROVIDE PULL STRINGS IN ALL CONDUITS.
- CONTRACTOR SHALL PROVIDE RED COLOR DIE MIXED IN CONCRETE FOR ALL UNDERGROUND PRIMARY AND SECONDARY CONCRETE ENCLOSED CONDUITS. ALL OTHER CONCRETE COVERED ELECTRICAL FEEDS CAN HAVE RED DYE ON TOP OF CONCRETE.
- CONTRACTOR SHALL PROVIDE TRACER WIRE FOR ALL UNDERGROUND CONDUITS AND DUCTBANKS.
- ALL TEMPORARY UTILITIES (PHONE/WATER/DATA/TELE/ETC.) WILL BE THE CONTRACTOR'S RESPONSIBILITY. THE OWNER WILL NOT BE PROVIDING OR PAYING FOR ANY TEMPORARY UTILITIES.

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THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CALL 811 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT SHALL CALL THIS NUMBER TO OBTAIN AN AUTHORIZATION NUMBER.

GENERAL INSTALLATION NOTE:

COORDINATE INSTALLATION AND PIPE CROSSINGS WITH ALL UTILITIES AND ALL TRADES TO AVOID INTERFERENCE AND TO ENSURE ALL CLEARANCES ARE MET PRIOR TO INSTALLATION.

GRADE, FEATHER & TAMP BACKFILL TO CREATE FLUSH INSTALLATION AND POSITIVE DRAINAGE AWAY FROM BOX

PULLBOX (SEE SPECIFICATIONS) LINE SIDES OF EXCAVATION WITH 13.6 KG (30 LBS.) FELT PAPER





(4) CONCRETE BRICKS 51mmx203mmx406mm (2"x8"x16")

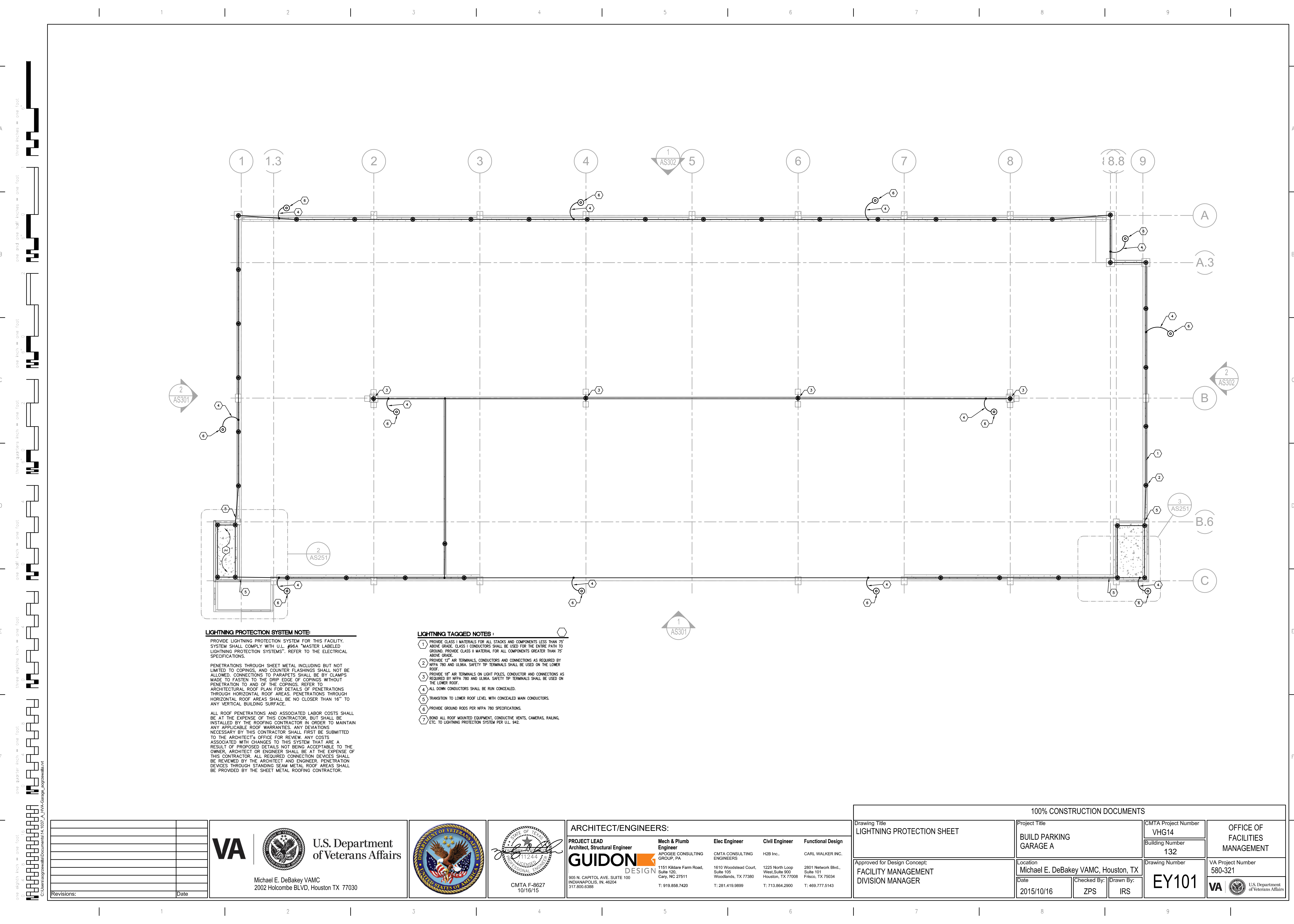
CLEAN 19mm (3/4") CRUSHED ROCK

CONDUIT(S) WITH BELL ENDS (TYP). SIZE, QUANTITY AND WIRING AS INDICATED ON PLANS

UNDERGROUND CONCENTRATED PULLBOX - TURF AREAS

ELECTRICAL SITE - UTILITIES PLAN

Revisions:		Date:		  <p>Michael E. DeBaKey VAMC 2002 Holcombe BLVD, Houston TX 77030</p>		 <p>CMTA F-8627 10/16/15</p>		<p>ARCHITECT/ENGINEERS:</p> <p>PROJECT LEAD Architect, Structural Engineer GUIDON DESIGN 1151 Kildare Farm Road, Suite 120 Cary, NC 27511 T: 919.858.7420</p> <p>Mech & Plumb Engineer APOGEE CONSULTING GROUP, PA 11244 1151 Kildare Farm Road, Suite 105 Cary, NC 27511 T: 919.858.7420</p> <p>Elec Engineer CMTA CONSULTING ENGINEERS 1610 Woodstead Court, Suite 105 Woodlands, TX 77380 T: 281.419.9899</p> <p>Civil Engineer H2B Inc., 1225 North Loop West, Suite 900 Houston, TX 77008 T: 713.864.2900</p> <p>Functional Design CARL WALKER INC. 2801 Network Blvd., Suite 101 Frisco, TX 75034 T: 469.777.5143</p>				<p>Drawing Title ELECTRICAL SITE - UTILITIES PLAN</p> <p>Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER</p>				<p>Project Title BUILD PARKING GARAGE A</p> <p>Location Michael E. DeBaKey VAMC, Houston, TX</p> <p>Date 2015/10/16</p> <p>Checked By: ZPS</p> <p>Drawn By: IRS</p>		<p>CMTA Project Number VHG14</p> <p>Building Number 132</p> <p>Drawing Number ES101</p>		<p>OFFICE OF FACILITIES MANAGEMENT</p> <p>VA Project Number 580-321</p> <p> U.S. Department of Veterans Affairs</p>	
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LIGHTNING PROTECTION SYSTEM NOTE:

PROVIDE LIGHTNING PROTECTION SYSTEM FOR THIS FACILITY. SYSTEM SHALL COMPLY WITH U.L. #96A "MASTER LABELED LIGHTNING PROTECTION SYSTEMS". REFER TO THE ELECTRICAL SPECIFICATIONS.

PENETRATIONS THROUGH SHEET METAL INCLUDING BUT NOT LIMITED TO COPINGS, AND COUNTER FLASHINGS SHALL NOT BE ALLOWED. CONNECTIONS TO PARAPETS SHALL BE BY CLAMPS MADE TO FASTEN TO THE DRIP EDGE OF COPINGS WITHOUT PENETRATION TO AND OF THE COPINGS. REFER TO ARCHITECTURAL ROOF PLAN FOR DETAILS OF PENETRATIONS THROUGH HORIZONTAL ROOF AREAS. PENETRATIONS THROUGH HORIZONTAL ROOF AREAS SHALL BE NO CLOSER THAN 16" TO ANY VERTICAL BUILDING SURFACE.


ALL ROOF PENETRATIONS AND ASSOCIATED LABOR COSTS SHALL BE AT THE EXPENSE OF THIS CONTRACTOR, BUT SHALL BE INSTALLED BY THE ROOFING CONTRACTOR IN ORDER TO MAINTAIN ANY APPLICABLE ROOF WARRANTIES. ANY DEVIATIONS NECESSARY BY THIS CONTRACTOR SHALL FIRST BE SUBMITTED TO THE ARCHITECT'S OFFICE FOR REVIEW. ANY COSTS ASSOCIATED WITH CHANGES TO THIS SYSTEM THAT ARE A RESULT OF PROPOSED DETAILS NOT BEING ACCEPTABLE TO THE OWNER, ARCHITECT OR ENGINEER SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. ALL REQUIRED CONNECTION DEVICES SHALL BE REVIEWED BY THE ARCHITECT AND ENGINEER. PENETRATION DEVICES THROUGH STANDING SEAM METAL ROOF AREAS SHALL BE PROVIDED BY THE SHEET METAL ROOFING CONTRACTOR.

LIGHTNING TAGGED NOTES :

- 1 PROVIDE CLASS I MATERIALS FOR ALL STACKS AND COMPONENTS LESS THAN 75' ABOVE GRADE. CLASS I CONDUCTORS SHALL BE USED FOR THE ENTIRE PATH TO GROUND. PROVIDE CLASS II MATERIAL FOR ALL COMPONENTS GREATER THAN 75' ABOVE GRADE.
- 2 PROVIDE 12" AIR TERMINALS, CONDUCTORS AND CONNECTIONS AS REQUIRED BY NFPA 780 AND UL96A. SAFETY TIP TERMINALS SHALL BE USED ON THE LOWER ROOF.
- 3 PROVIDE 18" AIR TERMINALS ON LIGHT POLES, CONDUCTOR AND CONNECTIONS AS REQUIRED BY NFPA 780 AND UL96A. SAFETY TIP TERMINALS SHALL BE USED ON THE LOWER ROOF.
- 4 ALL DOWN CONDUCTORS SHALL BE RUN CONCEALED.
- 5 TRANSITION TO LOWER ROOF LEVEL WITH CONCEALED MAIN CONDUCTORS.
- 6 PROVIDE GROUND RODS PER NFPA 780 SPECIFICATIONS.
- 7 BOND ALL ROOF MOUNTED EQUIPMENT, CONDUCTIVE VENTS, CAMERAS, RAILING, ETC. TO LIGHTNING PROTECTION SYSTEM PER U.L. 942.

ARCHITECT/ENGINEERS:

PROJECT LEAD Architect, Structural Engineer GUIDON DESIGN 905 N. CAPITOL AVE. SUITE 100 INDIANAPOLIS, IN 46204 317.800.6388	Mech & Plumb Engineer APOGEE CONSULTING GROUP, PA 1151 Kildare Farm Road, Suite 120 Cary, NC 27511 T: 919.858.7420	Elec Engineer CMTA CONSULTING ENGINEERS 1610 Woodstead Court, Suite 105 Woodlands, TX 77380 T: 281.419.9899	Civil Engineer H2B Inc. 1225 North Loop West, Suite 900 Houston, TX 77008 T: 713.864.2900	Functional Design CARL WALKER INC. 2801 Network Blvd., Suite 101 Frisco, TX 75034 T: 469.777.5143
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100% CONSTRUCTION DOCUMENTS						
Drawing Title LIGHTNING PROTECTION SHEET	Project Title BUILD PARKING GARAGE A			CMTA Project Number VHG14		OFFICE OF FACILITIES MANAGEMENT
				Building Number 132		
Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER	Location Michael E. DeBakey VAMC, Houston, TX			Drawing Number		VA Project Number 580-321
				EY101		VA  U.S. Department of Veterans Affairs
	Date 2015/10/16	Checked By: ZPS	Drawn By: IRS			